

Oak Street
UNCLASSIFIED

1921/22

St. John's College, Brooklyn

NEW YORK

THE LIBRARY
OF THE
UNIVERSITY OF ILLINOIS



College Department and
High School Department

ANNUAL CATALOGUE

1921—1922

St. John's College, Brooklyn

New York



ANNUAL CATALOGUE

1921 - 1922

CALENDAR

WINTER TERM

1921			
September	6,	Tuesday	Registration begins.
September	8,	Thursday	Conditional examinations
	12,	Monday	Solemn Mass at 9 A. M. Lectures and recitations begin. Last day of registration.
October	12,	Wednesday	Columbus Day, holiday.
November	1,	Tuesday	All Saints' Day, holiday.
	8,	Tuesday	Election Day, holiday.
	21,	Monday	Annual
	22,	Tuesday	three day
	23,	Wednesday	retreat.
	24,	Thursday	Thanksgiving
	25,	Friday	recess.
December	8,	Thursday	Immaculate Conception, holiday.
	23,	Friday	Christmas recess begins at 6 P. M.
1922			
January	3,	Tuesday	Lectures and recitations resumed at 9 A. M.
	25,	Wednesday	Final examinations begin, winter term.

SPRING TERM

February	1,	Wednesday	Spring term begins.
	22,	Wednesday	Washington's Birthday, holiday.
March	10,	Friday	Oratory Contest, 8.30 P. M.
	17,	Friday	St. Patrick's Day, holiday.
April	12,	Wednesday	Easter recess begins at 6 P. M.
	17,	Monday	Lectures and recitations resumed at 9 A. M.
May	11,	Thursday	Conditional examinations.
	25,	Thursday	Ascension Day, holiday.
	30,	Tuesday	Memorial Day, holiday.
June	2,	Friday	Memorial Mass for deceased benefactors, professors and students.
	5,	Monday	Final examinations begin, spring term.
	18,	Sunday	Baccalaureate Sermon.
	19	Monday	Registration for winter and spring terms.
	22,	Thursday	Commencement exercises.
	24,	Saturday	Scholarship Examinations.

BOARD OF TRUSTEES

VERY REV. JOHN W. MOORE, C. M., LL. D.
PRESIDENT

REV. EDWARD L. CAREY, C. M., LL.D.
VICE-PRESIDENT AND SECRETARY

REV. JOHN J. CLOONAN, C. M., S. T. B.
TREASURER

REV. JAMES F. KENNEDY, C. M.

REV. JOHN J. CORCORAN, C. M.

JOSEPH F. KEANY, A. M., LL.B.

WILLIAM E. KELLY

JOHN T. KING

ADMINISTRATIVE OFFICERS

VERY REV. JOHN W. MOORE, C. M., LL. D.
PRESIDENT

REV. EDWARD L. CAREY, C. M., LL.D.
DEAN

REV. JOHN J. CLOONAN, C. M., S. T. B.
TREASURER

REV. CHARLES N. FAIVRE, C. M.
REGISTRAR

REV. JOHN J. CORCORAN, C. M.
PREFECT OF DISCIPLINE

REV. THOMAS J. O'NEILL, C. M.
ASST. PREFECT OF DISCIPLINE

THE FACULTY

REV. JOHN F. MAYE, C. M.
PHILOSOPHY

REV. ANDREW I. DAWSON, C. M., Ph.D.
BIOLOGY AND BACTERIOLOGY

REV. FRANCIS X. CONNOR, C. M.
GREEK

REV. VICTOR T. CONNOLLY, C. M.
ENGLISH

REV. THOMAS F. RYAN, C. M.
HISTORY

REV. THOMAS J. MURRAY, C. M., A. M.
SOCIAL SCIENCE

REV. HENRY POIRIER
MODERN LANGUAGE

GEORGE P. COWAN, A. M.
MATHEMATICS

FRANCIS J. FUCHS, Ph.D.
CHEMISTRY

ARCADIUS AVELLANUS, Ph.D.
LATIN

WILLIAM KUCKRO, Ph.D.
PHYSICS

St. John's College, Brooklyn New York

INTRODUCTION

History

St. John's College, conducted by the Priests of the Congregation of the Mission for the higher education of the Catholic youth of Brooklyn and vicinity, was formally opened in the year 1870 at the invitation of the Right Reverend John Loughlin, D.D., the first Bishop of Brooklyn. The first public lecture was delivered by the distinguished convert and publicist, Orestes A. Brownson. In the following year, by a special act of the Legislature of the State of New York, the college was chartered. In December, 1906, it was rechartered by the Regents of the University of the State of New York and granted the privileges of a University with the right to establish such professional departments as may from time to time be required.

Location and Buildings

St. John's College enjoys the singular privilege of being centrally located and easily reached by elevated and surface cars from any point in New York City and Long Island. Situated in the heart of Brooklyn, and free from noise and distracting surroundings, the college is most favorable for earnest and tranquil study. The absence of commercial activities in the vicinity assures the seclusion necessary for student life. While the college possesses this desired condition, at the same time, it affords the opportunity for visiting the many industrial plants of a great manufacturing centre and of consulting the various libraries of the greatest American metropolis.

The college buildings, located within a short distance of one another, are splendidly equipped to answer the demands of modern education. The science laboratories, altho daily outgrowing the needs of the ever-increasing enrollment, are ranked among the superior laboratories of the State. Lecture rooms, brightly lighted and furnished in every fashion to encourage interest and concentration, are the key to the intellectual development which distinguishes St. John's students. To supply all with the chance of physical as well as intellectual advancement, the college gymnasium and swimming pool are kept up to date with all the equipment necessary to maintain the envied reputation which the college enjoys. The impartial visitor to St. John's College marvels at the unusual opportunities offered its students, both for their bodily and intellectual progress.

Needs of the College

It is thought proper to briefly state the needs of the college as an explanation to the public of our appeal for a million dollars.

Everyone who has kept in touch with current events since the closing of the war knows that the educational institutions of our country were ill prepared to supply the unprecedented demand for education which followed the cessation of hostilities. Never in the history of the nation has there been such a demand for trained thinkers as there is today. This immense demand for the development of brains found practically all of our institutions of higher learning, understaffed, underendowed, and quite unable to satisfy the demands made upon them.

St. John's College is today face to face with the same difficulties that have confronted all colleges. Following their example, it appeals to the public for aid to overcome these difficulties and to continue the work it has done so well for fifty years. In support of its appeal, it offers a straightforward and honest statement of her immediate needs.

St. John's needs one million dollars. It needs them at once; not for any vague scheme of expansion, but for specific and pressing purposes, to enable it to take advantage of unusual opportunities for public service. Its needs are two-fold. The first and most pressing is the need of more room. In the past ten years the number of its students has more than trebled. Today there is not an unoccupied room under its roof. Plans have already matured which will enable it to accommodate one hundred and fifty additional students. But this is entirely inadequate to take care of the ever-increasing numbers who are seeking the advantages of an education within its walls. Recognizing the talents of these young men, and foreseeing the worth they must ultimately be to the country, if properly trained, St. John's has not the heart to turn them away, especially at a time when men of moral fibre, character and high ideals are so necessary for the welfare of the nation. Hence, it must have more room and that means more equipment. All its laboratories are growing too small. It must have at once a new Science Hall with ample space for laboratories and for research work. This is a need which must appeal very strongly to all who know the excellence of the scientific work being done at St. John's.

Its present library is in cramped quarters. It must have a new library, so located as to be more easily accessible to students anxious for reference study and special research.

On all sides the cry is "More Room." To enable it to get it, St. John's appeals for assistance, and it proposes to use for this purpose one half of the million dollars for which it asks.

The remaining half it proposes to use to meet its second need, an endowment fund. An endowment of at least \$500,000 is indispensable to its continued existence as a Class A institution. Today, St. John's has no endowment. Can it be that those who know the excellent work it has done and is doing today will permit St. John's to fall below standard solely from inability to satisfy mere monetary requirements? We

do not think so. We have every confidence to believe that the required endowment will be raised through the generosity of an intelligent and appreciative public.

St. John's has not appealed for aid from the public without first exhausting every available resource. For fifty years it has carried on its noble work, gradually growing and expanding its sphere of usefulness, without ever asking for outside assistance. The Vincentian Fathers who conduct St. John's seek nothing for themselves. Not one of them who compose her faculty has ever received a penny of salary. They not only contribute their services gratis but they support themselves besides. Their aim is higher than dollars and cents. Their aim is to educate, in the finest sense of the word, to furnish excellent men to society and to gain souls to God.

The gratuitous services of these unselfish and whole-souled men, magnanimously spending their lives and energies for the cause, have enabled St. John's to carry on its work up to the present. Unfortunately, their number is limited, and they have had to call other teachers to their assistance. More and more of them were needed as the number of students increased. These men, unable because of family ties to donate their services as the Fathers do, must receive a salary which will provide them and their families with a decent living befitting their profession. This, coupled with the abnormally advanced cost of building, of maintenance and operating expenses, has created a burden too heavy for St. John's to bear any longer on its unaided shoulders, and it is at last compelled to seek help from others.

CORPORATE TITLE: The corporate title for legacies and foundations is: ST. JOHN'S COLLEGE, BROOKLYN.

System of Education

The system of education followed in St. John's College is a practical attempt to answer the questions—how best to develop and train a young man's mental and moral faculties?

How best to fit a young man to solve the fundamental problems of life, and how best to prepare him to discharge his social, professional and civic duties? It is evident that this is a high ideal, but a college which aims at less than this, has no right to exist. The state, in conferring a charter upon an institution of learning, requires that it impart instruction according to a definite standard; that it teach the youth who seek its guidance principles of sound morality and enlightened patriotism; that it inculcate the highest ideals of citizenship. On the other hand, the Church demands that a Catholic College be a herald of revealed truth to the young, whose spiritual interests must be deemed paramount. There must never be any lowering of this standard, for any lowering of it would inevitably destroy the entire system.

Moral and Religious Training

Intellectual training and learning of themselves have no moral force. Only religion purifies the heart and guides and strengthens the will. Therefore, running through this whole scheme of education is the effort to build character; to check and correct wrong tendencies; to draw out and strengthen high aspirations; to instill noble ideas. Here, religious instruction finds its function. To banish it from the curriculum would be to leave the student's soul without a guide, without a fitting destiny. The function of religion in education has long ceased to be a matter of debate. Today the majority of great educators, irrespective of creed, accept the Catholic doctrine, that a system of education which scarcely, if at all, touches the moral and religious side of character, is radically deficient, and is apt to produce moral weaklings.

Students of all denominations are permitted to attend the courses in Religion. The Catholic students are obliged to take these courses, to be present at the religious exercises, to make the annual retreat and to approach the Sacraments frequently.

Scholarships

Catherine Menahan.—Two scholarships founded by P. J. Menahan in perpetuity of his deceased wife, Catherine Menahan.

The Brownson.—Two scholarships founded by a friend of the college.

Maria E. Summers.—Established in perpetuity by the late Maria E. Summers for the education of a worthy young man to the priesthood.

Knights of Columbus.—The Long Island Chapter, the Montauk Council and the Bedford Council have each established a scholarship. The State Council of the State of New York maintains two scholarships.

Ann Eliza Walsh.—Four scholarships established in perpetuity of the late Ann Eliza Walsh for the education of Catholic young men to the priesthood in the diocese of Brooklyn.

St. John's College.—Two scholarships are annually offered by the trustees of the college.

A student holding a scholarship and failing to maintain an average of at least sixty per cent., forfeits his scholarship.

Prizes

Bishop Loughlin Medal.—A gold medal is donated by Jos. F. Keany, '83, A.M., LL.B. for the highest general average in the college department.

Landry Medal.—A gold medal is donated by James J. Kirwin, '73, A.M., for the highest general average in senior year.

O'Regan Medal.—A gold medal is donated by James C. Kennedy, '79, A.M., M.D., for the highest general average in junior year.

Meyer Medal.—A gold medal is donated by Rev. Robert O'Donovan for the highest general average in sophomore year.

Harnett Medal.—A gold medal is donated by Andrew J. Clarke, '77, for the highest general average in freshman year.

Bishop McDonnell Medal.—Donated by Rt. Rev. Mgr. Edward J. McGolrick for the highest standing in Philosophy.

Durick Memorial Medal.—Donated by Miss Margaret J. Durick in memory of the Rev. James J. Durick and the Rev. John J. Durick for the best English essay in the senior class.

Grace Medal.—Donated by an alumnus for the best biographical sketch in the junior class.

Oratory Medal.—Donated by Hector McGowan Curran, '05, A.M., LL.B., for the best oration in the oratory contest.

Purse of Twenty-five Dollars.—Donated by Rev. Joseph R. McLaughlin '97, M.A., for the highest standing in Analytic Chemistry.

ANDREW I. DAWSON PRIZE

Purse of Fifty Dollars for Best Research Work in Bacteriology

The candidate eligible for this prize must fulfill the following conditions:

1—The candidate must be regularly registered in the Bacteriological Course of St. John's College.

2—The candidate must have completed two years in this course in said college.

3—The Purse will be open only to those five students holding the highest rating in two years' course in Bacteriology.

4—A thesis is required in the form approved by the professor in charge.

5—The problem for research is to be approved by the professor in charge, under whose direction the work will proceed, and will decide the winning thesis.

6—These conditions are to be published yearly in the official catalogue of the college.

7—A notice of the problem and a summary of the results of the winning thesis to be published in the official catalogue of the college or in the official publication issued by the college.

8—The winning thesis is to be understood as the property of the department of Biology and Bacteriology of St. John's College.

THE DWYER PRIZE

*Twenty-five Dollars in Gold for Best Work in Bacteriology
(Donated by James Garfield Dwyer, M.D., A.M., Ph.D.)*

Professor of Bacteriology, Columbia University

The candidate eligible for this prize must fulfill the following conditions:

1—The candidate must be a student regularly registered in the College curriculum of St. John's College, Brooklyn; must spend two full consecutive academic years at this Institution in courses given in bacteriology; must receive a passing mark both in general college rating and in bacteriology.

2—The prize will be awarded at the end of the two years' course in bacteriology, for work, original and independent of course work.

3—The problem, as matter for the prize, will be announced one week after the official opening of the academic year, by the professor in charge, who must demand a thesis to be presented at the end of the second academic year.

4—The professor in bacteriology is to be the judge.

5—These conditions are to be printed in the yearly issue of the College Catalogue.

6—The problem assigned for the prize, together with its solution, is to be published in the yearly issue of the College Catalogue and on the occasion of publicly awarding the prize.

1920-1921

Thesis: "Synthetic Medium for the Cultivation of B-Coli."

Solution: Prize not awarded.

STUDENT ORGANIZATIONS

The student organizations are approved of by the College Council and placed under the direction of one of the professors of the teaching staff. Since it is the duty of the college to train the mind and guide the heart of every one of its students outside its walls as far as it may be able, it does not allow students on its register who are associated in any way with outside organizations, which are not sanctioned by the College Council.

In order to maintain a respectable standard in the student organizations, no student may be elected an officer who does not prove himself a scholar and a gentleman. The College Council reserves the privilege to remove from office any student who does not represent the scholarship and gentlemanly character of St. John's boys.

Sodality of the Immaculate Conception

The sodality of the Blessed Virgin Mary was organized in September, 1902, under the title of the Immaculate Conception and under the patronage of St. John the Baptist. Its purpose is to develop in the students a thoroughly Christian character, embodying a strong love for those virtues which should guide their daily conduct everywhere, and a sterling devotion to those Catholic ideals, which are the guideposts to true greatness. The students are ever under the protection of our Blessed Lady, guided by her example and encouraged by her inspiration. Weekly meetings are conducted in the chapel at which the office of the Blessed Virgin is recited, followed by a short instruction and benediction.

Athletic Association

Every student automatically becomes a member of this association after the payment of the athletic fee at registration. To foster and encourage all sports, but not to the detri-

ment of school work, is the primary purpose of this organization. Interest in all sports, irrespective of individual tastes, is an equally important aim. Desirous of developing the body as well as of training the mind, St. John's endeavors to have every one of its students participate in sports. This end it strives to accomplish by making membership in the athletic association compulsory. The high standards which St. John's has created and maintains in inter-scholastic circles are dependent upon the active participation and lively interest, which all of its students show along the lines of athletic endeavor.

Senior Joyce Kilmer Fraternity

No educational institution is properly fitted for its high purpose, which does not encourage literary organizations among its students. Designed to create and foster a genuine love of good literature, this fraternity, by weekly literary programs succeeds in accomplishing that end. Though primarily a literary fraternity, its social activities are of equal interest to its members. Situated in the Shawangunk Valley and bordering a lake swept by the refreshing breezes of that historic spot, the fraternity maintains a summer camp for its members. Thus, by combining the literary with the social life of the student, it succeeds in reaching that laudable end of every school organization, the strengthening of the ties of good fellowship in the student body.

Circulus Latinus Sancti Joannis

To promote a knowledge of the Latin language among all the students of St. John's is the avowed aim of this organization. Although of very recent origin, it has won the support of many college students whose interest in the language of the church promises success for their society. The classic tongue of the ancient Romans is used with great facility by all the members, which aids them greatly in their translation into Latin of many of the English Classics.

Lieutenant Joseph Burchill Post, American Legion

This post was organized in memory of an alumnus of St. John's, whose services on the battlefield during the world war demanded the supreme sacrifice. Its plans to bring together all former service men of the student body and alumni and to interest them in the principles of democracy for which they fought, are most practical and progressive. To acquire a sound fundamental knowledge of all national questions, to provide welfare for all ex-service men whose courage and heroism may have cost them bodily injury beyond repair, to take a prominent part in all activities, which promote patriotism and encourage national peace and prosperity, these are the ends toward which the members of this post have pledged themselves to direct their efforts.

The Press Club

Almost coincident with the initial copy of the RED AND WHITE appeared the announcement of a Press Club. Composed of the members of the college magazine staff, both past and present, and of other alumni who are deemed valuable assets in its editorial work, its aim to foster a spirit of interest in the school publications is praiseworthy. Like other organizations of similar character, its efforts to knit together more closely the student body with the alumni, should be constantly encouraged and materially supported.

St. John's College Debating Society

Interest in public speaking, together with a desire for discussion on important topics of the day, inspired the formation of this society. Scholarly students who appreciate the advantages gained by membership in an organization of this kind, may become members with the approval of the committee on membership. Monthly debates are arranged between the different classes, and opportunity given to interested students to broaden their knowledge on subjects with which their school work might prevent them from being sufficiently acquainted.

“The Red and White”

The RED AND WHITE is a monthly periodical published by the combined high school and college departments. Its efforts to interest the students in all school activities is supplemented by its encouraging prospective writers to contribute to its pages. No less important is its aim to create a spirit of just rivalry between the different classes by the publication of all their literary, athletic and social endeavors. It reports all news of interest to the student body and welcomes all items of information from the students and the alumni.

Alumni Association

Experience amply attests that sentiments and feelings, even the noblest need to be quickened and kept alive by the genial friction of association. Thoughts lie dormant unless awakened into activity by the touch of sympathetic interest.

Among the most generous, most unselfish sentiments, are those of college men for their Alma Mater. The memory of college days, tinged with the soft radiance of youthful fancy, is touched into eloquent expression by association, and yields adequate fruit in promoting good fellowship and loyalty to Alma Mater.

The Alumni Association of St. John's College aims at reviving “the tender grace of a day that is dead,” at stimulating interest in the college, and at helping it to realize the high ideals of Catholic education. The Association includes in its membership some of the most prominent clergymen and laymen in the Borough of Brooklyn.

The officers of the Association for the present year are:

President	Raphael C. Dooley '07
Vice-President	Henry W. Dieck, Jr. '13
Treasurer	Alan A. Wells '19
Secretary	Edward V. Dodd '11
Historian	James A. Lamb '10

ADMINISTRATION

Terms and Hours

The scholastic year is divided into two terms of eighteen weeks each, the winter term and the spring term. The winter term begins on September 12, 1921, and ends on January 31, 1922. The spring term begins on February 1, 1922, and ends on June 9, 1922.

Class work begins at 9 A. M. and continues until 12 noon. It is resumed at 1 P. M. and continues until 5 P. M.

Units of Credit

Units of credit are divided into quantity and quality credits. The quantity credit is the semester hour, which is the credit given for a course extending over a full term, during which one hour a week is devoted to lecture, recitation or quiz. Two hours of laboratory work are the equivalent of one semester hour. The quality credit is the quality unit by which the general excellence of the work is estimated. One quality unit is allowed for eight semester hours rated A, or for sixteen semester hours rated B.

Attendance and Absence

Regular attendance is required of every student. Absence or tardiness impairs a student's work and may prevent him from receiving credit. To obtain credit in any course, the student is not allowed more absences in one term than there are class-periods a week in that course. Tardiness will be estimated as equivalent to one-half period absence, unless it exceeds twenty minutes, in which case it will be counted as absence for the whole period. A student whose absences have exceeded the maximum number allowed, must present a written appeal to the committee on Attendance, if he wishes to receive full credit for the satisfactory completion of any course in which he has received a passing rating.

Examinations and Reports

Written examinations are given in all courses at the end of each term. Written and oral tests are given during the term at the discretion of the professor. Examinations for the removal of conditions are held during the first full weeks of September and May. Application for these examinations must be made in writing to the Registrar two weeks before the date of the examinations.

A report of the student's ratings is sent to his parents or guardian at the end of each term.

Ratings and Conditions

Ratings appear on the college records in percentages. Reports of ratings are expressed in the following manner:

A—90-100	Excellent
B—80-89	Good
C—60-79	Satisfactory
D—50-59	Conditioned
F—0-49	Failure

A condition may be removed by a satisfactory examination or by repeating the course. If a condition is not removed within one year and three months after it has been incurred, then the rating D automatically becomes F. Rating C is the highest rating that will be allowed on re-examination. A student who fails to receive the rating C in his re-examination must repeat the course.

Classification of Students

The requirement for enrollment by classes is as follows:

For Freshman	Matriculation.
For Sophomore	30 semester hours.
For Junior	63 semester hours.
For Senior....	96 semester hours without conditions.

Electives

Electives are chosen with the direction and advice of the dean and the heads of departments. Regard for the student's prospective work, together with his taste and ability to pursue courses, which insure concentration and breadth of study, are wisely weighed in this choice.

The student must learn what electives are open for his choice. He must see whether he has fulfilled all the prerequisites, and furthermore, that the courses which he elects do not conflict in time with his required subjects.

ADMISSION

Registration

New students are registered during the last full week in June and the first full week in September. They must file their application blank with the Registrar, together with a testimonial of their good moral character and a copy of their credentials of scholarship from the institution whose diploma they hold. Students entering with advanced standing are subject to the same ruling.

Methods of Admission

The following classes of applicants may be exempted from examinations:

1. Graduates from the high school department of St. John's College.
2. Candidates who present Regents' diplomas or certificates for the prescribed number of counts.
3. Candidates with a certificate from the College Entrance Examination Board.
4. Candidates who present the College Entrance Diploma of the New York State Department of Education.
5. Those who submit a statement, certified by the principal of a school which is recognized by the Regents as maintaining a four-year academic course, that the applicant has satisfactorily completed the course. This statement must show the number of hours given to each subject and the rating.
6. Candidates for advanced standing may submit a certified statement of the courses which they have completed in other institutions. This statement, if it is considered satisfactory, will admit without examination. The college, however, reserves the privilege of examining candidates for advanced standing in any subject, or in all subjects which precede the courses for which they apply.

Entrance Requirement

A candidate under twenty-one years of age must be a graduate of a recognized high school, or the equivalent.

An applicant for admission to Freshman year must offer entrance credits amounting to fifteen units, of which some are prescribed and the rest elective. A unit commonly represents a course pursued five hours a week for a school year.

ALL CANDIDATES MUST OFFER:

	Units
1. ENGLISH	3
2. ELEMENTARY ALGEBRA AND PLANE GEOMETRY...	2
3. HISTORY	1
4. ONE OF THE FOLLOWING GROUPS:	

	Units		Units
a—Latin	4	f—Latin	3 or 2
Greek	3	Modern Language	2 or 3
		Physics or Chemistry..	1
		Mathematics	1
b—Latin	3	g—Foreign Language....	2
Greek	2	2nd Foreign Language..	2
Science	1	Biology	1
		Physics	1
c—Latin	3	Chemistry	1
Greek	2		
History	1	h—Foreign Language....	3
		Biology	1
d—Latin	3 or 2	Physics	1
Modern Language....	2 or 3	Chemistry	1
Physics or Chemistry..	1		
2nd Science	1	i—Foreign Language....	2
		2nd Foreign Language..	2
e—Latin	3 or 2	Physics	1
Modern Language	2 or 3	Chemistry	1
Physics or Chemistry..	1	Mathematics	1
History	1	j—Foreign Language....	3
		Physics	1
		Chemistry	1
		Mathematics	1
		History	1

5. AND ELECTIVES TO MAKE UP 15 UNITS.

No conditions allowed.

Electives

	Units		Units
Latin	2, 3 or 4	Intermediate Algebra	$\frac{1}{2}$
Greek	2, 3 or 4	Advanced Algebra	1
French	2 or 3	Solid Geometry	$\frac{1}{2}$
German	2 or 3	Trigonometry	$\frac{1}{2}$
Spanish	2 or 3	Elementary Botany	$\frac{1}{2}$
Italian	2 or 3	Elementary Zoology	$\frac{1}{2}$
History	$\frac{1}{2}$, 1 or 2	Advanced Botany	$\frac{1}{2}$
Civics	$\frac{1}{2}$ or 1	Biology	1
Economics	$\frac{1}{2}$ or 1	Physics	1
Drawing	$\frac{1}{2}$	Chemistry	1
Mechanical Drawing ...	1	Physical Geography	1

Fees

Fees are payable in advance. No deduction in tuition will be made for absence, unless it is caused by protracted illness.

Arts Courses, tuition, per quarter	\$25.00
Science Course, tuition, per quarter	25.00
Laboratory fee, per year for each laboratory subject	20.00
Breakage fee, per year for each laboratory subject*	10.00
Conditional examination fee for each subject	3.00
Gymnasium fee, per year	5.00
Gymnasium locker fee, per year	1.00
Athletic fee, per year**	5.00
Graduation fee	15.00

*This deposit, less the amount charged for breakage, will be returned to the student at the end of the year.

**This fee must be paid by all students to the Treasurer of the Athletic Association. Full membership in the Association and admission to all athletic games at home are covered by this fee.

DEGREES

Baccalaureate Degree

St. John's College offers three courses, two courses leading to the degree of Bachelor of Arts, and one course leading to the degree of Bachelor of Science. The requirements for the Baccalaureate degrees are the following:

1. Completion of a four years' course leading to the degree for which the candidate matriculated.
2. A written thesis approved by the Dean and presented to him five weeks before graduation.
3. At least the rating C in all work presented in fulfillment of the requirement for the degree.

Quantity of Work

To receive a degree, a student must have completed 128 semester hours of academic work as follows:

<i>Course A</i> REQUIRED	Semester Hours	<i>Course B</i> REQUIRED	Semester Hours	<i>Course C</i> REQUIRED	Semester Hours
Religion	8	Religion	8	Religion	8
English	18	English	18	English	18
Social Science* ..	8	Social Science* ..	8	Social Science* ..	8
Latin	12	Latin	12	Science**	12
Greek	12	Modern Language	12	Foreign Language	12
Mathematics	6	Mathematics	6	Mathematics	12
Science**	6	Science**	6	Philosophy	8
Philosophy	12	Philosophy	12	Electives	50
Electives	46	Electives	46		

*History, Sociology and Economics.

**Physics, Chemistry, Biology or Bacteriology.

Courses A and B lead to the degree of Bachelor of Arts. Course C leads to the degree of Bachelor of Science.

New and Old Requirements

Candidates for degrees who on October 1, 1921, are enrolled as Freshmen, must meet the requirements for degrees, which are announced in the catalogue for 1921-22. Candidates for degrees who on October 1, 1921, are enrolled as Sophomores, Juniors or Seniors, must meet the requirements, which obtained on June 18, 1921. A change from the old requirements to the new may be made only with the advice and written consent of the Dean.

Honors

In June, 1924, and thereafter, a degree will be conferred on an especially meritorious candidate with the note *cum laude*, *magna cum laude*, or *summa cum laude*. The following requirements are announced tentatively:

	Quantity Credits	Quality Credits
Degree cum laude.....	132	8
Degree magna cum laude..	134	10
Degree summa cum laude..	136	12

SCHEDULE OF COURSES

BACHELOR OF ARTS

Course A

FRESHMAN YEAR

	Periods a Week	Semester Hours
<i>Required</i>		
Religion	1	2
English	3	6
Latin	3	6
Greek	3	6
<i>Electives</i>		
	<hr/> 16 to 18	<hr/> 32 to 36

SOPHOMORE YEAR

<i>Required</i>		
Religion	1	2
English	3	6
Latin	3	6
Greek	3	6
<i>Electives</i>		
	<hr/> 16 to 18	<hr/> 32 to 36

JUNIOR YEAR

<i>Required</i>		
Religion	1	2
Philosophy	3	6
<i>Electives</i>		
	<hr/> 16	<hr/> 32

SENIOR YEAR

<i>Required</i>		
Religion	1	2
Philosophy	3	6
<i>Electives</i>		
	<hr/> 16	<hr/> 32

Bachelor of Arts

Course B

FRESHMAN YEAR

	Periods a Week	Semester Hours
<i>Required</i>		
Religion	1	2
English	3	6
Latin	3	6
Modern Language	3	6
<i>Electives</i>		
	<hr/> 16 to 18	<hr/> 32 to 36

SOPHOMORE YEAR

<i>Required</i>		
Religion	1	2
English	3	6
Latin	3	6
Modern Language	3	6
<i>Electives</i>		
	<hr/> 16 to 18	<hr/> 32 to 36

JUNIOR YEAR

<i>Required</i>		
Religion	1	2
Philosophy	3	6
<i>Electives</i>		
	<hr/> 16	<hr/> 32

SENIOR YEAR

<i>Required</i>		
Religion	1	2
Philosophy	3	6
<i>Electives</i>		
	<hr/> 16	<hr/> 32

Bachelor of Science

Course C

FRESHMAN YEAR

	Periods a Week	Semester Hours
<i>Required</i>		
Religion	1	2
English	3	6
Chemistry	3 Lect.	6
	4 Lab.	4
Foreign Language	3	6
<i>Electives</i>		
	<hr/> 16 to 18	<hr/> 32 to 36

SOPHOMORE YEAR

<i>Required</i>		
Religion	1	2
English	3	6
Foreign Language	3	6
<i>Electives</i>		
	<hr/> 16 to 18	<hr/> 32 to 36

JUNIOR YEAR

<i>Required</i>		
Religion	1	2
Philosophy	2	4
<i>Electives</i>		
	<hr/> 16	<hr/> 32

SENIOR YEAR

<i>Required</i>		
Religion	1	2
Philosophy	2	4
<i>Electives</i>		
	<hr/> 16	<hr/> 32

DEPARTMENT OF BIOLOGY AND BACTERIOLOGY

Biology 1-2. General Biology.

An introduction to the fundamental laws governing living things; general function, structures, classification, life histories, evolution, environment and relationship of plants and animals.

This course is equivalent to entrance biology.

Winter and spring terms. Lectures, two hours a week. Laboratory work, three hours a week.

Prerequisite: entrance chemistry or chemistry 1-2.

Credit—six semester hours.

Biology 3-4. Advanced Biology.

Advanced general study of the cell; variations in morphology; mitosis and reproduction; spermatogenesis and oogenesis; introduction to embryology; biochemistry of the more important cell constituents; general anatomy of plants and animals compared; introduction to comparative anatomy; gross anatomy of a mammal; functioning of special organs; introduction to the study of the nervous system.

Winter and spring terms. Lectures, three hours a week. Laboratory work, four hours a week.

Prerequisite: entrance biology or 1-2.

Credit—ten semester hours.

Biology 5. Botany.

Introductory course in the study of plant life; general morphology; histology, organization, development, and physiology.

Winter term. Lectures one hour a week. Laboratory work, two hours a week.

Prerequisite: 3-4 or the equivalent.

(Not given during 1921-22.)

Credit—two semester hours.

Biology 6. Zoology.

General comparative study of the principal types of animal life, their evolution, classification, organization, and functions.

Spring term. Lectures, one hour a week. Laboratory work, two hours a week.

Prerequisite: 3-4 or the equivalent.

(Not given during 1921-22.)

Credit—two semester hours.

Biology 7-8. General Bacteriology.

This course embraces the fundamentals of general bacteriological technique, morphology of bacteria, principles of sterilization; cultivation; preparation of ordinary routine media; cultural characteristics and principal products; simple and differential staining methods; quantitative methods; isolation and identification.

Winter and spring terms. Lectures, one hour a week. Laboratory work, four hours a week.

Prerequisite: entrance chemistry and entrance biology or Chemistry 1-2 and Biology 1-2.

Credit—six semester hours.

Biology 9-10. Pathogenic Bacteriology.

A course in the study of the principal pathogenic bacteria; the preparation of special culture media; special cultural methods with reference to identification. In the second semester, the subject of serum reactions is introduced.

Winter and spring terms. Lectures, one hour a week. Laboratory work, four hours a week.

Prerequisite: 7-8 and 15-16.

Credit—six semester hours.

Biology 11-12. Protozoology.

Study of the commoner protozoan forms.

Winter and spring terms. Lectures, one hour a week.
Laboratory work, two hours a week.

Prerequisite: 3-4 and 6.

(Not given during 1921-22.)

Credit—four semester hours.

Biology 13-14. Vertebrate Embryology.

A comparative study of embryonic formation and development. Winter and spring terms. Lectures, one hour a week.
Laboratory work, two hours a week.

Prerequisite: 3-4 and 6.

(Not given during 1921-22.)

Credit—four semester hours.

Biology 15-16. General Biochemistry.

An introductory course in the nature of protoplasm and qualitative constituents of cell material.

Winter and spring terms. Lectures, one hour a week.
Laboratory work, three hours a week.

Prerequisites: entrance chemistry or Chemistry 1-2 and entrance Biology or Biology 1-2.

Credit—five semester hours.

Biology 17-18. Advanced Biochemistry.

Advanced course in the biochemistry of cell constituents, introducing quantitative methods and immune bodies.

Winter and spring terms. Lectures, one hour a week.
Laboratory work, three hours a week.

Prerequisite: 3-4 and 15-16.

Credit—five semester hours.

DEPARTMENT OF CHEMISTRY

No candidate will be allowed simultaneously to take more than two courses in laboratory work.

Chemistry 1-2. Elementary Inorganic Chemistry.

Introductory course for beginners. Equivalent to entrance chemistry and is a prerequisite for all other work taken in this department.

Winter and spring terms. Two hours a week. 1a-2a must be taken simultaneously.

Prerequisite: Entrance physics or physics 1-2.

Credit—four semester hours.

Chemistry 1a-2a. Elementary Inorganic Chemistry Laboratory Course.

This laboratory course must be taken simultaneously with Chemistry 1-2.

Winter and spring terms. Three hours a week.

Credit—two semester hours.

Chemistry 3-4. General Inorganic Chemistry.

This course is designed for the student's general culture, acquainting him with the fundamental facts of nature as interpreted by the various theories and laws of modern chemistry. Particular stress is laid upon the real value of chemistry as a tool for encouraging inductive and deductive reasoning. The course includes a systematic study of the various elements, their chief characteristics and the reaction in which they take part. The fundamental theories and laws of chemical kinetics, explaining these reactions, are presented from the standpoint of physical chemistry.

Winter and spring terms. Three hours a week. Either 3a-4a or 3b-4b must be taken simultaneously.

Prerequisite: Entrance Physics or Physics 1-2 and entrance Chemistry or Chemistry 1-2.

Required in Course C.

Credit—six semester hours.

Chemistry 3a-4a. General Inorganic Chemistry Laboratory Course.

The work outlined for this course will cover the main reactions of the non-metals and metals.

Winter and spring terms. Six hours a week.

Credit—six semester hours.

Chemistry 3b-4b. General Inorganic Chemistry Laboratory Course.

Similar in content with Chemistry 3a-4a, but less complete.

Winter and spring terms. Four hours a week.

Credit—four semester hours.

Chemistry 5-6. Qualitative Analysis.

This course studies the reactions of the ordinary metals and acids, and their compounds, as viewed from the more modern theories of solutions, mass action and ionization. It includes a thorough study of the various analytical methods, wet and blow pipe, covering the more common metals and acids. The student is expected to master such fundamental principles, as ionization, complexions, chemical equilibrium, solubility product, hydrolysis, etc.

Winter and spring terms. Two hours a week. Either 5a-6a or 5b-6b must be taken simultaneously.

Prerequisite: 3-4 or the equivalent.

Credit—four semester hours.

Chemistry 5a-6a. Qualitative Analysis Laboratory Course and Conferences.

The student is expected to develop more or less skill and technique in laboratory manipulation.

Winter and spring terms. Six hours a week.

Credit—six semester hours.

Chemistry 5b-6b. Qualitative Analysis Laboratory Course and Conferences.

Similar in content with 5a-6a, but less complete.

Winter and spring terms. Four hours a week.

Credit—four semester hours.

Chemistry 7-8. Organic Chemistry.

A comprehensive study of chemical theory as applied to the compounds of carbon. The complexity of organic compounds and their reactions, as opposed to the more uniform behavior of inorganic reaction, are discussed along the lines of modern chemical theories. The more important derivatives of the aliphatic and aromatic hydrocarbons are made the basis of this course.

Winter and spring terms. Three hours a week. Either 7a-8a or 7b-8b must be taken simultaneously.

Prerequisite: 5-6.

Credit—six semester hours.

Chemistry 7a-8a. Organic Chemistry Laboratory Course.

A critical examination of the characteristic properties of the various types of organic compounds and the synthesis and isolation of a number of such typical compounds both of the aliphatic and aromatic series. The course affords an excellent opportunity for acquiring laboratory technique and neatness.

Winter and spring terms. Six hours a week.

Credit—six semester hours.

Chemistry 7b-8b. Organic Chemistry Laboratory Course.

Similar in content with a 7a-8a, but less complete.

Winter and spring terms. Four hours a week.

Credit—four semester hours.

Chemistry 10. Organic Chemistry. Short Course.

A less detailed survey of the more important derivatives of the aliphatic and aromatic series. Intended primarily for students that are preparing for the State Medical School certificate.

Spring term. Three hours a week. Chemistry 10a must be taken simultaneously.

Prerequisite: 5-6.

(To be given only during Spring term, 1922.)

Credit—three semester hours.

Chemistry 10a. Organic Chemistry Laboratory Course.

Experiments illustrating the main reactions of the more important types of organic compounds.

Spring term. Two hours a week.

Credit—one semester hour.

Chemistry 11-12. Quantitative Chemistry.

A critical survey of the theory and practice of quantitative analysis, with special reference to modern methods and technique.

Winter and spring terms. Two hours a week. Chemistry 11a-12a must be taken simultaneously.

Prerequisite: 5-6. Prerequisite or parallel: 7-8.

Credit—four semester hours.

Chemistry 11a-12a. Quantitative Chemistry Laboratory Course and Conferences.

The laboratory work comprises practical instruction in the more important methods of gravimetric and volumetric analysis, alkalimetry, acidimetry and gas analysis.

Winter and spring terms. Four hours a week.

Credit—four semester hours.

Chemistry 13. Organic Analysis. Elementary Course.

This course outlines briefly the main features of organic analysis, ultimate analysis—qualitative and quantitative, and combustions.

Winter term. Four hours a week.

Prerequisite: 7-8.

Credit—four semester hours.

Chemistry 14. Organic Analysis. Elementary Course.

Identical in content with 13, but repeated in the spring term.

Chemistry 15-16. Physical Chemistry.

A thorough study of the laws under the following divisions: Energy, affinity, valence, molecular and atomic theories, periodic system, gases, liquids, solids, solutions and colloids; thermochemistry; chemical equilibria and heterogeneous equilibria; electrochemistry; phase rule; radioactivity.

Winter and spring terms. Three hours a week. Either 15a-16a or 15b-16b must be taken simultaneously.

Prerequisite: 11-12 and Physics 3-4. Mathematics 7 and 8 desirable.

Credit—six semester hours.

Chemistry 15a-16a. Physical Chemistry Laboratory Course.

A study of various laboratory methods. Standardization of apparatus; thermostats; viscosity; molecular weights; index of refraction; vapor pressure; calorimetry; freezing point and boiling point; determinations; speeds of reactions, distribution; conductivity; e. m. f. measurements, etc.

Winter and spring terms. Four hours a week.

Credit—four semester hours.

Chemistry 15b-16b. Physical Chemistry Laboratory Course.

Similar in content with 15a-16a, but less complete.

Winter and spring terms. Two hours a week.

Credit—two semester hours.

Chemistry 17. Inorganic Preparations.

This course seeks to acquaint the student with various types of chemical change as illustrated by inorganic reactions. Although by no means intended to be an exhaustive study, the exercises selected exemplify the most typical reactions of the more common elements, and include the more important methods of industrial importance.

Winter term. Six hours a week.

Prerequisite: 3-4.

Credit—three semester hours.

Chemistry 18. Inorganic Preparations.

Identical in content with 17.

Spring term. Six hours a week.

Prerequisite: 3-4.

Credit—three semester hours.

Chemistry 19. Inorganic Preparations.

Identical in content with 17, but less complete.

Winter term. Four hours a week.

Prerequisite: 3-4.

Credit—two semester hours.

Chemistry 20. Inorganic Preparations.

Identical in content with 19.

Spring term. Four hours a week.

Prerequisite: 3-4.

Credit—two semester hours.

Chemistry 21. Colloid Chemistry.

An elementary course touching on the main points of this branch of modern chemistry. The chief applications to physiology, biology and the industries are pointed out.

Winter term. Two hours a week.

Prerequisite: 7-8.

Credit—two semester hours.

Chemistry 22. Bio-Chemistry.

See Department of Biology and Bacteriology.

Chemistry 23-24. Seminar and Conferences.

For honor students only.

Winter and springs terms. Two hours a week.

Credit—four semester hours.

DEPARTMENT OF CLASSICAL LANGUAGES

Greek

Greek 1-2. Elementary Greek. Anabasis.

This course is intended for those who have no previous knowledge of the language. It embraces a rapid and thorough study of the elements of the language combined with a perusal of a limited number of Greek authors, the procedure being adapted to the mature mind of the college student. Light composition work is required throughout the entire course.

Winter and spring terms. Three hours a week.

Credit—six semester hours.

Greek 3-4. St. Luke. Plato. Homer.

In this course the student is called upon to read from sight. An acquaintance is made with ancient hellenic philosophy whose fallacies are refuted. A complete study of Homeric hexameter with a geographical and mythological discussion of the story of the Iliad is covered.

A short original composition is weekly exacted of the student to familiarize him with the style, constructions, idioms and ideas of the authors read.

Winter and spring terms. Three hours a week.

Prerequisite: Two entrance units or 1-2.

Credit—six semester hours.

Greek 5-6. Homer. St. John Chrysostom.

This course introduces the student to pure Greek oratory with comments on its moral and theological value. A further and deeper acquaintance is made with ancient and hellenic philosophy. Passages from the Iliad are read from sight and a broader treatment of Homeric hexameter is given. The works of St. John Chrysostom are translated and discussed.

Original compositions are required at stated times to acquaint the student with the style, constructions, idioms and ideas of the authors studied.

Winter and spring terms. Three hours a week.

Prerequisite: 3-4, or three entrance units.

Credit—six semester hours.

Greek 7-8. St. Basil. Sophocles. Demosthenes.

The text of St. Basil on Greek Literature is translated and discussed in this course. Careful attention is given to the author's doctrine. The Oedipus Tyrannus of Sophocles is studied in its entirety, together with the De Corona of Demosthenes. The student is led to appreciate the art of Greek tragedy and the development of the hellenic drama. Scansion receives due attention. Greek forensic poetry is studied and the hellenic legal procedure is explained.

Original essays in the Greek language are required of each student in the course.

Winter and spring terms. Three hours a week.

Prerequisite: 5-6.

Credit—six semester hours.

Latin**Latin 1-2. Vergil.**

This course includes the first four books. Classical mythology is introduced and studied, as well as the literary merits of Vergil's greatest work. Great pains are taken to make this subject the basis for a proper understanding of Latin verse and for a thorough appreciation of Latin literature.

Composition: In addition to a careful translation of the text, a thorough drill is given in syntax, with frequent exercises in translating English into Latin. This course is intended to form the basis for an accurate use of the vocabulary and of idiomatic speech.

Winter and spring terms. Three hours a week.

Prerequisite: Three entrance units.

Credit—six semester hours.

Latin 3-4. Ovid. Cicero. Sallust.

The first and second books of Ovid's Metamorphoses are translated. The student is led to appreciate the form of the text as well as the content, together with frequent drilling in scansion. The texts of the Roman authors are restored to the

standard Delphine edition. The works of Cicero and Sallust are introduced to familiarize the student with the style of these two classical authors. Selections, chosen with reference to their literary and historical importance, are read.

Composition: Classical texts are studied and imitated in order to enable the student to converse freely and elegantly in the Latin tongue. The Latin text of *Maximus Trianudius* and the Greek text of *Aescopus* are modernized. Reading and papers.

Winter and spring terms. Three hours a week.

Prerequisite: Four entrance units or 1-2.

Required of Freshmen in Courses A and B.

Credit—six semester hours.

Latin 5-6. Livy. Horace.

The preface of Livy's first book of Roman history is read. The text is paraphrased while attention is given to restoring the standard spelling. The *Ars Poetica* of Horace is translated and discussed at length. The *Carmen Saeculare* is treated as a Sapphic ode.

Composition: This supplementary course is designed to acquaint the student with those two very important forms of Roman poetry, the *Elegiae* of Ovid and the *Senarii* of Phaedrus. The theory of the proper scansion of the *Senarii* is explained, and the fable is reduced to prose. Reading and papers.

Winter and spring terms. Three hours a week.

Prerequisite: 3-4.

Credit—six semester hours.

Latin 7-8. Roman Literature.

The theories concerning the origin of the Latin language are thoroughly examined. The earliest historical evidences are sifted. The historically true origin of the *Satyra* is maintained against the spread theory. The cultural development and evolution of Roman literature are treated, acquainting the student with the authors of the classical period and with the great Roman jurists. Reading and papers.

Winter and spring terms. One hour a week.

Prerequisite: 5-6.

Credit—two semester hours.

Latin 9-10. Roman Literature.

This course begins with Roman literature contemporary with the court of Emperor Augusta. The works of writers who survived the transition period are treated. The writers of Imperial Rome, the historians of the Augustine period, the Justinian institutions, the Christian poets and the Grammatici are made familiar to the student. A discussion of the works of the earliest scholastic writers is included in this course. Reading and papers.

Winter and spring terms. One hour a week.

Prerequisite: 7-8.

Credit—two semester hours.

DEPARTMENT OF ENGLISH

English 1-2. Literature and Composition.

Lectures on the reason, study and utility of literature. False methods. Discussion of Milton-Puritanism and the prose writers of the Restoration. The five pioneers in the field of journalism.

Composition: Oral and written. Daily presentation of specimens relating to the principles stated in class. Emphasis placed on the paragraph, sentence, words and their use, and the forms of discourse. Principles of clearness and interest. Papers.

Winter and spring terms. Three hours a week.

Required in Freshman year.

Prerequisite: three entrance units.

Credit—six semester hours.

English 3-4. Literature and Composition.

Lectures on literature in its power to delineate the works of God as seen in the world with its manifold attractions. An effort to show the impress left on all writers by the age in which they lived. Pope, Swift, Burns, Goldsmith, Shelley and Keats. Religious element in the literature of the nineteenth century. American men of letters.

Composition: The value of taking notes and an examination of methods. An appreciation of authority in argument. Exercise in brief-drawing. The power of analysis. Intensive reading as distinct from extensive reading. The advantages of imitation for style. Papers.

Winter and spring terms. Three hours a week.

Required in Sophomore year.

Prerequisite: 1-2.

Credit—six semester hours.

English 5-6. Literature and Composition.

Lectures on the language of literature. The value of the classics. What constitutes a classic. Lectures on the greater classics and required readings from selected passages. Contemporary literature. New and old books compared.

Composition: Constructive process. How to gather information. The value of quotation and paraphrase. Ability to classify and divide. Consecutive thought and how arrived at in writing. Concrete development. The essay and the editorial. Scientific language and the legal form contrasted with the news reports. Research work and papers.

Winter and spring terms. Three hours a week.

Prerequisite: 3-4.

Credit—six semester hours.

English 7-8. Literature and Composition.

Lectures on the possibilities of literature. The mastery of language. The eleven types of literature—in poetry, epic, lyric, drama and ballad—in prose, history, oration, biography, letter, essay, novel and short story. Lectures on the philosophy of literature. Materialism, pantheism and spiritualism, as they touch and leave their mark on the literature of the day in which they flourish. Fiction and the present day novel.

Composition: Facts with their inherent value and marks by which they may be known. The analysis of an argument. Oral address and speaking from outline. Debate and its rules. Lectures to urge the cultivation of the imagination. Interpretation and the power of selection. The technique of the narrative movement. Essays.

Winter and spring terms. Three hours a week.

Prerequisite: 5-6.

Credit—six semester hours.

DEPARTMENT OF HISTORY AND SOCIAL SCIENCE

History

History 1-2. Oriental, Greek, and Early Roman History.

This course briefly treats the prehistoric age and the beginnings of history. It gives the essential in the history of the chief oriental peoples, the Egyptians, Babylonians, Assyrians, Hebrews, Phoenecians, Hittites, Medes and Persians. It also presents the principal facts in Greek history, beginning with the Aegean age and ending with the conflict between the Greeks and Persians; the period of the city states in Greece; the struggles between Athens and Sparta; the supremacy of Thebes; the conquest of Greece and the East by the Macedonians; the Hellenistic age. It deals with the early periods of Roman history from the time of the legendary kings to the century of revolution and the downfall of the Republic. Lectures, reading of papers, notes and maps. Winter and spring terms. Two hours a week.

Credit—four semester hours.

History 3. Roman History.

The downfall of the republic and the period of empire. A course that aims to present the principal events in the history of the Roman world from the time of the Gracchi to the coming of the barbarians and the consequent overthrow of the Roman Empire of the West. Lectures, reading of papers, notes and maps.

Winter term. Two hours a week.

Prerequisite: 1-2.

Credit—two semester hours.

History 4. Medieval History.

The barbarian kingdoms and Europe of the middle ages. This course gives a brief survey of European history during the transition period, the breaking up of the Roman Empire

into various states, the relations between the Church and the state, the rise and development of the feudal system, the crusades, the inroads of Mongols and Ottoman Turks and the beginnings of the modern nations. Lectures, reading of papers, notes and maps.

Spring term. Two hours a week.

Credit—two semester hours.

History 5-6. Modern History.

The Renaissance and the French Revolution. This course surveys the foundations of modern Europe. It considers Europe at the beginning of the sixteenth century, the great commercial revolution, the Protestant revolt and the Catholic reformation, the struggles of the Bourbons and the Hapsburgs for the supremacy on the continent and the creation of the parliamentary system in England. It gives a brief outline of the world conflict between France and England, the rise of two great European powers of Russia and Prussia, the American revolution from the standpoint of Europe; the international crime, the rise of the Bourgeoise and the end of the old regime and the era of Napoleon. Lectures, recitations, reading of papers and maps.

Winter and spring terms. Two hours a week.

Credit—four semester hours.

History 7-8. Modern and Contemporary History.

This course embraces a treatment of the reconstruction period, the industrial revolution, political and social reforms, the attitude of the Bourgeoise, the rise of modern socialism, the government of the British Empire, the character of the French Republic and the governments of southern Europe. It treats also the growth of Teutonic powers of Central Europe, the development of the Russian Empire, the spread of European civilization, the international relations at the outbreak of the War of Nations and America and her relations with Europe. Lectures, recitations, readings and maps.

Winter and spring terms. Two hours a week.

Prerequisite: 5-6.

Credit—four semester hours.

Social Science

Economics 15-16. Principles of Economics.

Discussions and reports on assigned questions. This course aims to give the student a comprehensive grasp of the fundamental principles of economics.

Winter and spring terms. Two hours a week.

Prerequisite: History 1-2.

Credit—four semester hours.

Economics 17-18. Labor Problems.

Discussions and reports on assigned questions. In this course the essential rights and duties of the laboring classes are treated. The conditions and problems of labor in the United States are chiefly considered. The solutions of labor problems offered by the medieval guilds, trade unionism, socialism, Catholicism, and social reformers are presented.

Winter and spring terms. Two hours a week.

Prerequisite: Economics 15-16.

Credit—four semester hours.

Economics 19-20. The Industrial Growth of the United States.

Discussions and reports on assigned questions, maps and charts. The development of American industries, such as iron, steel, cotton, wool and leather in relation to underlying economic conditions. The underlying tendencies at work have their origin in past developments, and a study of their earlier course will disclose more definitely their present direction. Judged by the interrelations between area, population, and resources, the position of the United States among other nations is determined.

Winter and spring terms. Two hours a week.

Credit—four semester hours.

Economics 21-22. See History 7-8.

Sociology 23-24. Principles of Sociology.

Discussions and reports on assigned questions. Material factors of social life, the activities they exercise, and the forces

which control them, constitute the subject matter of this course. The family, the clan, the tribe, the town, and the state are studied from the viewpoint of social choice and social organization. The population of the United States in regard to density, distribution, and concentration is given precise study.

Winter and spring terms. Two hours a week.

Credit—four semester hours.

Sociology 25-26. Sociological Theories.

Discussions and reports on assigned questions. In this course are reviewed the theories of the foremost sociologists belonging to different countries: France, Count de Mun and Leon Harmel; Italy, Leo XII, Liberatore and Toniolo; Germany, Bishop Ketteler and Catherin; Belgium, Doultreloux; England, Devas; United States, Drs. Ryan and Giddings.

Winter and spring terms. Two hours a week.

Prerequisite: Sociology 23-24.

Credit—four semester hours.

Statistics 27-28. Principles and Methods of Statistics.

Discussion method will be used. This course presents the elementary principles of statistics and their application. Index numbers, averages, and the measures of variability are treated. The student is shown how to gather, present and interpret statistical data.

Winter and spring terms. Two hours a week.

Credit—four semester hours.

Economics 29. Honoris Seminarium.

Discussion method will be used. Special reports on agreed topics. Winter term. Two hours a week.

Credit—two semester hours.

Sociology 30. Honoris Seminarium.

Discussion method will be used. Special reports on agreed topics. Spring term. Two hours a week.

Credit—two semester hours.

DEPARTMENT OF MATHEMATICS

Mathematics 1. Plane Trigonometry.

An elementary course designed to fit the student for work in more advanced mathematics. Whilst numerous problems are included, their solution is made secondary to the training in analysis.

Winter term. Three hours a week.

Prerequisite: Entrance mathematics.

Credit—three semester hours.

Mathematics 2. Solid Geometry.

A course in Euclidean Solid Geometry designed to fit the student for work in higher mathematics. Frequent exercises in original demonstration will be required.

Spring term. Three hours a week.

Credit—three semester hours.

Mathematics 3-4. College Algebra.

A course in the fundamental processes, including quadratic equations, particular stress being laid upon the graphs of function. Special training in the higher forms of equations and in the more common principles needed in higher mathematics.

Winter and spring terms. Three hours a week.

Prerequisite or parallel: 1.

Credit—six semester hours.

Mathematics 5-6. Analytic Geometry.

A preliminary course, laying principal stress upon the idea of co-ordinates, and the graphing of simple functions. The determination of the characteristics of curves by analysis of their equations.

Winter and spring terms. Three hours a week.

Prerequisites: 1 and 3-4; Philosophy 9 and 10.

Credit—six semester hours.

Mathematics 7. Differential Calculus.

An elementary course founded on the text-book of Granville. Its intimate connection with modern scientific investigation will be stressed, as well as the theory upon which the subject is founded.

Winter term. Three hours a week.

Prerequisite: 5-6.

Credit—three semester hours.

Mathematics 8. Integral Calculus.

A sequel to 7. In addition to drill in the technique of integration, the relation to modern science will be emphasized.

Spring term. Three hours a week.

Prerequisite: 7.

Credit—three semester hours.

Mathematics 9-10. Descriptive Geometry.

An elementary course with particular attention given to the needs of engineering students. This course is designed particularly to develop the mathematical imagination of the student, by the study of more complicated surfaces.

Winter and spring terms. Three hours a week.

Prerequisites: 2, and one year of mechanical drawing.

Credit—four semester hours.

DEPARTMENT OF MODERN LANGUAGES

French

French 1-2. Elementary French.

This course is for students who enter without French. It includes a careful drilling in the fluency of pronunciation, the article, the plural of nouns and adjectives, the pronoun, regular verbs and such irregular verbs are of constant occurrence. Well-chosen words are memorized and elementary conversation is introduced as soon as the student is sufficiently advanced. Light composition and reading.

Winter and spring terms. Three hours a week.

Credit—six semester hours.

French 3-4. Intermediate French.

This course is for students who present entrance French. A review of the elements of the language is accompanied by a careful study of the rules of syntax. Words of common occurrence are selected and memorized in order to furnish the student with a foundation for composition. Passages from the classics are chosen, translated and committed to memory. The class is conducted mostly in French. Reading and composition.

Winter and spring terms. Three hours a week.

Prerequisite: 1-2 or entrance French.

Credit—six semester hours.

French 5-6. Advanced French.

The purpose of this course is to increase the student's vocabulary and give him facility in conversation with a review of the basic rules of grammar. The student is afterwards introduced to French literature. A rapid survey and discussion of the literature of the seventeenth, eighteenth and nineteenth centuries is made. The works of Pascal, Corneille, Racine, Moliere, Bossuet, Montesquieu and Rousseau are translated and analyzed. Passages from the works of Chateaubriand, Lamartine and Victor Hugo are chosen and discussed. Reading and short essays. This class is conducted in French.

Winter and spring terms. Three hours a week.

Prerequisite: 3-4.

Credit--six semester hours.

German

German 1-2. Elementary German.

This course is for students who enter without German. Its object is to develop in the student a practical ability in the use of the language. To this end, emphasis is laid on spoken German in class and in home study, and to grammar drill as a method of showing the commoner principles of the structure of the language. Words in common use are chosen and memorized to aid the student in his proposition work. Sight-reading and elementary conversation are adopted as soon as the student is sufficiently advanced for this work.

Winter and spring terms. Three hours a week.

Credit—six semester hours.

German 3-4. Intermediate German.

This course is for students who present entrance German. A rapid review of the grammar, with many exercises, oral and written, is made. The time is devoted mainly to reading and composition as a foundation for conversation, which is mostly in German in this class. Words of current use are selected and committed to memory together with the idioms of frequent occurrence. Short prose works are read, and selections memorized and imitated. Reading and composition.

Winter and spring terms. Three hours a week.

Prerequisite: 1-2 or entrance German.

(Not given during 1921-22)

Credit—six semester hours.

German 5-6. Advanced German.

This course includes a study of the German novel, with a view to building up an extensive reading vocabulary in German. Selections from the writers of the Romantic School—Hoffman, Chamisso, and Goethe; also selections from the modern writers, Sudermann, Frennsen, Ernst and Wildenbruch are read and discussed. An effort is made to furnish the student with a scientific vocabulary through which he will be able to reach advanced scientific information written in the German tongue. Scientific readers and similar texts will be introduced at the discretion of the instructor. This class is conducted in German. Reading and composition.

Winter and spring terms. Three hours a week.

Prerequisite: 3-4. (Not given during 1921-22)

Credit—six semester hours.

DEPARTMENT OF PHILOSOPHY AND RELIGION

Philosophy

Philosophy 1-2. Logic, Ontology, Cosmology.

A thorough course is given in elementary and advanced logic. The fundamental reasons which support the objectivity of human knowledge are made the subject of special study. A careful study of entity, essence, cause and effect is made. The laws of nature are explored; the possibility of miracles is explained, and the phenomena of spiritism discussed. Lectures and recitations in the Latin language.

Winter and spring terms. Three hours a week.

Prerequisite: Latin 3-4 and 5-6.

Credit—six semester hours.

Philosophy 3-4. Psychology, Natural Theology.

The functions and facilities of rational life are comprehensively expounded. The dynamic principle from which the vital activities manifested by the body emanate, is demonstrated. The simplicity of the human soul, and its mode of union with the body, are among the numerous topics which lie within the range of discussion. God knowable by reason is also made the subject matter of this course. Many classified proofs, certain in premise and sound in procedure, reveal his existence. The relation of man to God is given careful consideration. Lectures and recitations in the Latin language.

Winter and spring terms. Three hours a week.

Prerequisite: 1-2.

Credit—six semester hours.

Philosophy 5-6. See Philosophy 11-12.

For prerequisites, consult professor in charge of department of philosophy.

Philosophy 7. Logic.

In this course the science and art of right thinking is taught. The subject has particular reference to skill and accuracy of language, and is intended to lay the foundations

of careful habits of thought in all subjects and in all departments of life. Lectures, recitations and papers.

Winter term. Two hours a week.

Credit—two semester hours.

Philosophy 8. Criteriology.

The criteria of truth are discussed. The validity of the principles of causality is established, and the rules of historical criticism for ascertaining both the knowledge and the veracity of human testimony, are laid down. The grades or degrees of truth or of probability in our judgments are observed. The teachings on truth of Roger Bacon, Francis Bacon, Newton, J. S. Mill and Jevons are compared with the scholastic doctrine of St. Thomas Aquinas. Lectures, recitations and papers.

Spring term. Two hours a week.

Credit—two semester hours

Philosophy 9-10. Psychology—Empirical and Rational.

A course which aims to give the essentials of scholastic psychology. In empirical psychology, attention is given to the senses and sensation, the theories of external preception, the development of the senses, the workings of the imagination and memory, and the doctrine of appetency. Rational life, the intellect and its operations, the theory of judgment, attention and apperception, and the scholastic doctrine of free will and determinism are considered. In rational psychology, the nature of the soul is studied; the false theories of modernists are examined and refuted; and the relation of the soul to the body is discussed. Lectures and recitations.

Winter and spring terms. Two hours a week.

Credit—four semester hours.

Philosophy 11-12. General and Special Ethics.

A course which covers the principal questions of Christian ethics as expounded by the scholastics. In general ethics, it considers the existence and morality of human acts, the essence and sources of morality, the cardinal virtues, and the norms that are directive of human acts. In special ethics, it deals

with the duties of man, a consideration of human society—both domestic and civil, the nature of domestic society, the origin of civil society, man's natural right to private property, the rights of the state and their limitations, the social errors of the day, and the relations between Church and state, Lectures, essays and notes.

Winter and spring terms. Three hours a week.

Credit—six semester hours.

Philosophy 19-20. History of Philosophy.

Oriental, Greek and early scholastic philosophy. The course treats the beginnings of philosophy in the Orient, the Egyptian, Babylonian and Assyrian, Persian, Indian and Chinese systems. It is concerned with the earliest Greek philosophers and their schools, the writings of Socrates, Plato and Aristotle. It traces the progress of later Greek thought and the mutual influences of Greek and Oriental philosophy on each other. It furnishes the essentials in the early Christian philosophy, and it briefly sketches the development of Scholastic thought from the beginning to the time of the predecessors of St. Thomas Aquinas. Lectures and recitations.

Winter and spring terms. Two hours a week.

Credit—four semester hours.

Philosophy 21-22. History of Philosophy.

Later scholastic and modern philosophy. This course considers the works of St. Thomas and his followers, the works of Duns Scotus and the anti-Thomists, the teachings of William of Occam, and the writings of the Scholastics of the transition period. It discusses the beginnings of modern philosophy, the writings of the Humanists, the Scientific Movement, the works of Descartes, and French and British Empiricism. It gives the essentials of the development of modern philosophy from the time of Leibnitz to the present day. It is concerned with the works of Hume, the teachings of Kant, and with modern

French, English and American thought. It also treats of the Neoscholastic movement championed by Leo XIII and his contemporaries. Lectures and recitations.

Winter and spring terms. Two hours a week.

Prerequisite: 19-20.

Note: This course is open only to students who are taking 3-4.

Credit—four semester hours.

Religion

Religion 1-2. Christian Apologetics.

This course aims to show the credibility of religious truth and its relation to divine faith. It sets forth the necessity of religion and the excellence of the Christian religion. From the standpoint of history and by comparison with other religions, it proves the divinity of the Christian religion. It considers the one true Church of Christ, its founding, its divine institution, its marks, its power—pontifical and episcopal, its relation to the state. It includes a treatment of the sources of revelation, tradition and the Holy Scripture. Lectures and recitations.

Winter and spring terms. One hour a week.

Credit—two semester hours.

Religion 3-4. Faith. The Attributes of God.

This course considers the definition and division of faith as well as its formal and material objects. It embraces the nature and properties of the act of faith, the nature of dogma together with the relation between dogma and theology. The existence of God is proved together with an explanation of His nature, attributes and divine operations. From the sources of revelation is drawn the existence of the mystery of the Trinity. The scholastic teaching and philosophical reasoning relative to the Triune God are discussed. God as a creator, His relations to the world, to angels and to men—compose the final considerations. Lectures and recitations.

Winter and spring terms. One hour a week.

Prerequisite: 1-2.

Credit—two semester hours.

Religion 5-6. The Incarnation. Grace

This course includes a treatment of mystery of the Incarnation, the Hypostatic union, the explanation, necessity and consequences of man's redemption, the adoration due to the God-Man, the veneration of the Blessed Virgin consequent upon her dignity, her sanctity and her Immaculate Conception, with the veneration of the saints in general.

The necessity and division of grace with a theological exposition of its essence are briefly set forth. Lectures and recitations.

Winter and spring terms. One hour a week.

Prerequisite: 3-4.

Credit—two semester hours.

Religion 7-8. The Sacraments. Eschatology.

The subject matter of this course is the sacraments of the Catholic Church. The nature, minister, subject and effects of each sacrament are carefully considered. The essential eschatological doctrines of the Church are represented, showing God a rewarder of good and a punisher of evil. Lectures and recitations.

Winter and spring terms. One hour a week.

Prerequisite: 5-6.

Credit—two semester hours.

DEPARTMENT OF PHYSICS

Physics 1-2. Elementary Physics.

Introductory course for beginners. Equivalent to entrance physics, and a prerequisite for all other work taken in this department. The subject matter is treated in a general way, greater stress being laid on facts of primary importance.

Winter and spring terms. Two hours a week.

1a-2a must be taken simultaneously.

Credit—four semester hours.

Physics 1a-2a. Elementary Physics Laboratory Course.

Elementary laboratory practice, covering the usually accepted standard experiments of elementary physics.

Winter and spring terms. Three hours a week.

Credit—two semester hours.

Physics 3-4. General Physics.

This course is intended for the student's general culture. The fundamental theories and laws of physical phenomena are presented from the viewpoint of modern research.

Winter and spring terms. Three hours a week.

Either 3a-4a or 3b-4b must be taken simultaneously.

Prerequisite: Entrance or 1-2 physics.

Credit—six semester hours.

Physics 3a-4a. General Physics Laboratory Course.

This course affords laboratory practice in experiments of a more difficult character, illustrating the main facts of physical theory as presented in 3-4.

Winter and spring terms. Six hours a week.

Credit—six semester hours.

Physics 3b-4b. General Physics Laboratory Course.

Similar in content to 3a-4a but less complete.

Winter and spring terms. Four hours a week.

Credit—four semester hours.

Physics 5. Mechanics.

A thorough study of the principles of statics, kinematics and kinetics. The subject is developed along mathematical lines.

Winter term. Three hours a week.

Prerequisite: 3-4. Prerequisite or parallel: Mathematics

7-8. 5a must be taken simultaneously.

Credit—three semester hours.

Physics 5a. Mechanics Laboratory Course.

Experiments in this course are designed to illustrate the more important principles of mechanics of rigid bodies.

Winter term. Four hours a week.

Credit—two semester hours.

Physics 6. Heat.

A course designed to accentuate the various theoretical developments of the matter. Particular stress is laid on a study of thermometry, calorimetry and change of state.

Spring term. Three hours a week.

Prerequisite: 5. 6a must be taken simultaneously.

Credit—three semester hours.

Physics 6a. Heat Laboratory Course.

This course outlines the more correct methods for performing experiments covering calorimetry, thermometry, conductivity, etc. Special stress is laid on comparison of methods, coupled with a study of errors involved.

Spring term. Four hours a week.

Credit—two semester hours.

Physics, 7. Magnetism and Electricity.

A comprehensive study of the more important phenomena of magnetism and electricity viewed from the point of modern theoretical developments. Special stress is laid on the application of principles.

Winter term. Three hours a week.

Prerequisite: 5-6. 7a must be taken simultaneously.

Credit—three semester hours.

Physics 7a. Magnetism and Electricity Laboratory Course.

This course includes practice in various experiments in magnetism and electricity, such as, absolute measure of a current, various methods and instruments to measure current, electro-chemical equivalents, Ohms law, various resistance methods, conductivity, calibration of instruments, condensers, induction, discharge through gases, magnetic moments of various methods, determination of horizontal and vertical components of earth's magnetic force, etc.

Winter term. Four hours a week.

Credit—two semester hours.

Physics 8. Light and Sound.

A comprehensive course covering the study of wave motion in general with special reference to the more important phenomena of light and sound.

Spring term. Three hours a week.

Prerequisite: 7. 8a must be taken simultaneously.

Credit—three semester hours.

Physics 8a. Light and Sound Laboratory Course.

This course comprises a number of experiments in photometry, reflection, refraction, dispersion, polarization, diffraction, and wave motions.

Spring term. Four hours a week.

Credit—two semester hours.

EXTENSION DEPARTMENT

THE FACULTY

VERY REV. JOHN W. MOORE, C.M., LL.D.
PRESIDENT

REV. WILLIAM E. CARTER, C.M.
DEAN

REV. WILLIAM C. HOCTOR, C.M.
RELIGION

REV. ANDREW I. DAWSON, C.M., Ph.D.
BACTERIOLOGY

REV. JAMES SALDANA, C.M.
PHYSICS

REV. J. ROGER SMITH, C.M.
PHILOSOPHY

REV. FRANCIS X. CONNOR, C.M.
CHURCH HISTORY

REV. THOMAS F. RYAN, C.M.
ETHICS

REV. THOMAS F. MURRAY, C.M., A.M.
ECONOMICS

REV. JOHN F. NAUGHTON, C.M.
SOCIOLOGY

REV. JOHN A. BOST
MODERN LANGUAGE

IRVING GREEN

ACCOUNTANCY

LEO PIERRE CALLAN, M.A.

STENOGRAPHY

ARNOLD VAN DYKE POWER, Litt.D.

ENGLISH LITERATURE

GEORGE P. COWAN, M.A.

MATHEMATICS

FRANCIS J. FUCHS, Ph.D.

CHEMISTRY

SECONDO MARCHISIO, M.A.

PSYCHOLOGY

JOHN CAHILL, A.B.

MATHEMATICS

GEORGE B. ROSE, M.A.

GREEK

DIEGO SANDRINO, A.B.

SPANISH

JOSEPH V. BOLAND, A.B.

ENGLISH

ARCADIUS AVELLANUS, Ph.D.

LATIN LITERATURE

ANTOINETTE PANTANO, M.A.

MODERN LANGUAGE

HYMAN FELDMAN, M.A.

SOCIAL SCIENCE

S. PATRICK WOODHOUSE

GAELIC LITERATURE

JAMES L. TOBIN, M.A.

HISTORY

EXTENSION DEPARTMENT

General Statement

The Extension Department was opened on September 28, 1908. In the courses offered, the best in the science of education is given by educators who have made a life study of their particular subjects.

The courses are intended for teachers and for other persons who are fitting themselves for the teaching profession. Persons other than teachers may be admitted if they submit evidence of qualification to follow the courses, which they elect. These courses have been approved by the State Commissioner of Education, the Regents of the State of New York, and the Board of Examiners of the Department of Education of the City of New York. Qualified students completing a course with a satisfactory examination receive certificates, which will be accepted by the Board of Examiners as entitling the holders to any exemption or privilege, which may be obtained according to the rules of the Board. Only those courses, which are accepted by the College as counting towards the Degree of Bachelor of Arts or towards a higher degree, will be recognized by the Board of Examiners as entitling to exemption from part of the examination for principal of an elementary school.

Entrance Requirement

(See Page 21)

Baccalaureate Degree

The requirements for the Baccalaureate Degrees are the same as those stated on Page 23.

Master's Degree

Candidates for the Degree of Master of Arts must have received the Degree of Bachelor of Arts from an institution approved for the granting of degrees. The candidate shall have registered for and attended courses aggregating not less than thirty (30) tuition points, distributed over a period of not less than one academic year.

All recommendations for the higher degrees must originate with the members of the Faculty, under whose supervision the candidate has been pursuing his work. No student can acquire a right to such recommendation merely by attending lectures, or by formal compliance with prescribed conditions. The requirements as here specified, must be regarded as minimum requirements only, the right remaining with the Faculty to refuse to admit a student to his final examinations or to award him a degree.

Admission and Registration

Every student upon entrance into the Extension Department is required to register in the office of the Registrar, and, if a candidate for a degree, to file with him an official copy of his academic record.

Registration will take place on October 3rd and 4th. Classes begin on October 7th. The payment of fees is part of the registration. Fees are payable in advance.

Fees

Fees are in no case refunded, but students who have paid tuition and have become unable, through sickness or any other unavoidable cause, to be present, will be credited with the amount in any subsequent session which they may attend.

Registration.	\$5.00
Tuition, all two (2)* point courses.	10.00
Extra point courses, per point.	5.00
Laboratory fee, per course for each laboratory subject. .	10.00
Breakage fee, per course for each laboratory subject. . . .	5.00

*A two point course is a course pursued one hour a week for a period of thirty (30) weeks.

COURSES

- COURSE 1. CHURCH HISTORY. 2 points.
9 A. M. Saturday. Junior room. Begins October 8th.
Prerequisite: Degree of Bachelor of Arts.
- COURSE 2. PHILOSOPHY AND SOCIAL PROGRESS. 2 points.
10 A. M., Saturday. Junior room. Begins October 8th.
Prerequisite: Degree of Bachelor of Arts.
- COURSE 3. ETHICS. 2 points.
11 A. M., Saturday. Junior room. Begins October 8th.
Prerequisite: Degree of Bachelor of Arts.
- COURSE 4. SCIENCE OF RELIGION. 2 points.
11 A. M., Saturday. Senior room. Begins October 8th.
- COURSE 5. MENTAL PHILOSOPHY. 6 points.
4 P. M. Friday. Lecture room C. Begins October 14th.
- COURSE 6. EDUCATIONAL PSYCHOLOGY. 4 points.
4 P. M. Thursday. Lecture room C. Begins October 13th.
- COURSE 7. HISTORY OF EDUCATION. 4 points.
10 A. M., Saturday. Senior Room. Begins October 8th.
- COURSE 8. PUBLIC SPEAKING. 2 points.
Lecture room C.
- COURSE 9. GERMAN LITERATURE. 2 points.
4 P. M. Wednesday. Senior room. Begins October 12th.
Prerequisite: Degree of Bachelor of Arts.
- COURSE 10. PRINCIPLES OF EDUCATION. 4 points.
4 P. M. Monday. Lecture room C. Begins October 10th.
- COURSE 11. LOGIC. 2 points.
4 P. M., Wednesday. Lecture room A. Begins October 12th.
- COURSE 12. LATIN—QUINTILLIAN. 6 points.
4 P. M., Tuesday and Thursday. Junior room. Begins October 11th.
- COURSE 13. GREEK—SOPHOCLES. 6 points.
4 P. M., Monday and Friday. Sophomore room. Begins October 10th.
- COURSE 14. ADVANCED FRENCH. 4 points.
4 P. M., Monday. Junior room. Begins October 10th.
- COURSE 15. ADVANCED PSYCHOLOGY. 4 points.
9 A. M., Saturday. Sophomore room. Begins October 8th.
- COURSE 16. SPANISH. 4 points.
4 P. M., Wednesday. Sophomore room. Begins October 12th.

- COURSE 17. GENERAL INORGANIC CHEMISTRY. 5 points.
4 P. M., Wednesday and Friday. Chemical Laboratory.
Begins October 12th.
- COURSE 18. PHYSICAL CHEMISTRY. 5 points.
Hours to be arranged by professor. Chemical laboratory. Prerequisite: Degree of Bachelor of Arts.
- COURSE 19. METHODS IN CHEMISTRY. 5 points.
4 P. M., Tuesday. Physics laboratory.
Begins October 11th.
- COURSE 20. BACTERIOLOGY 2. 6 points.
4 P. M., Friday. Biological laboratory. Begins October 14th. Prerequisite: Bacteriology 1.
- COURSE 21. BIOLOGICAL CHEMISTRY. 5 points.
Hours to be arranged by professor. Biological laboratory. Prerequisite: Degree of Bachelor of Arts.
- COURSE 22. METHODS IN BIOLOGY. 4 points.
4 P. M., Monday. Biological laboratory.
- COURSE 23. MODERN HISTORY. 4 points.
4 P. M., Wednesday. Lecture room C. Begins Oct. 12th.
- COURSE 24. SOCIAL PROBLEMS AND SOCIAL LEGISLATION. 4 points.
4 P. M., Friday. Lecture room A. Begins October 14th.
- COURSE 25. GAELIC. 4 points.
4 P. M., Tuesday. Senior room. Begins October 12th.
A course intended for those interested in the language and literature of the Gael.
- COURSE 26. LATIN LITERATURE. 4 points.
4 P. M., Monday. Lecture room A. Begins October 10th.
The lectures will be delivered in Latin. The course is intended for professors of Latin and for students desiring to specialize in this language.
- COURSE 27. THEME WRITING. 4 points.
4 P. M., Wednesday. Lecture room B. Begins Oct. 12th.
- COURSE 28. METHODS IN HISTORY. 4 points.
4 P. M., Thursday. Lecture room B. Begins Oct. 13th.
- *COURSE 29. ACCOUNTANCY.
4 P. M., Monday. College annex. Begins October 10th.
- *COURSE 30. SECRETARIAL COURSE.
4 P. M., Tuesday. College annex. Begins October 11th.

* Courses marked with an asterisk will not be accepted as counting towards a degree.

CONTENTS

	PAGES
Calendar	2
Board of Trustees	3
Administrative Officers	3
The Faculty	4
INTRODUCTION:	
History, Location and Buildings	5
Needs of the College	6
System of Education	8
Moral and Religious Training	9
Scholarships	10
Prizes	10
STUDENT ORGANIZATIONS:	
Sodality of the Immaculate Conception	13
Athletic Association	13
Joyce Kilmer Fraternity	14
Circulus Latinus Sancti Joannis	14
American Legion	15
The Press Club	15
St. John's College Debating Society	15
The Red and White	16
Alumni Association	16
ADMINISTRATION:	
Terms, Hours and Units of Credit	17
Attendance and Absence	17
Examinations and Reports	18
Ratings and Conditions	18
Classification of Students and Electives	18-19
ADMISSION:	
Registration and Methods of Admission	20
Entrance Requirement	21
Fees	22
DEGREES:	
Baccalaureate Degree	23
Quantity of Work	23
New and Old Requirements	24
Honors	24
Schedule of Courses	25-26-27
DEPARTMENTS:	
Biology and Bacteriology	28
Chemistry	31
Classical Languages	37
English	41
History and Social Science	43
Mathematics	47
Modern Languages	49
Philosophy and Religion	51
Physics	56
EXTENSION DEPARTMENT:	
The Faculty	60-61
General Statement	62
Entrance Requirement	62
Baccalaureate Degree and Master's Degree	62-63
Registration, Admission and Fees	63
Courses	64-65

ST. JOHN'S COLLEGE HIGH SCHOOL

BROOKLYN

NEW YORK



ANNUAL CATALOGUE

1921—1922

TABLE OF CONTENTS

	Pages
Calendar	3
The Board of Trustees	4
The Officers of Administration	4
The Officers of Instruction	5, 6
GENERAL STATEMENT:	
History and Location	7
System of Education	8
Moral and Religious Training	10
Equipment	10
Scholarships	11
Prizes	12
Needs of the College	12
STUDENT ORGANIZATIONS:	
Sodality of the Immaculate Conception	14
Student Council	14
Athletic Association	15
Boosters' Club	15
Junior Joyce Kilmer Fraternity	15
Peripatetikoi	16
The Press Club	16
St. John's Debating Society	17
The Red and White	17
ADMINISTRATION:	
Attendance and Examinations	18
Reports and Courses	19
Student Expenses	20
ADMISSION:	
Requirements for Admission	21
Outline of Courses	22, 23, 24
Syllabus	25-40
Evening Commercial Courses	40
Register of Students	42

CALENDAR

1921

September	6,	Tuesday	Registration begins.
	8,	Thursday	Conditional Examinations.
	12,	Monday	Solemn Mass at 9 A. M. Classes begin.
October	12,	Wednesday	Columbus Day, holiday.
November	1,	Tuesday	All Saints' Day, holiday.
	8,	Tuesday	Election Day, holiday.
	14,	Monday	Examinations for first quarter begin.
	21,	Monday	Annual
	22,	Tuesday	Three Day
	23,	Wednesday	Retreat.
	24,	Thursday	Thanksgiving
	25,	Friday	Recess
December	8,	Thursday	Immaculate Conception, holiday.
	23,	Friday	Christmas Recess begins at 4 P. M.

1922

January	3,	Tuesday	Classes resumed at 9 A. M.
	25,	Wednesday	Examinations for second quarter begin.
	28,	Saturday	Scholarship Examinations.
February	1,	Wednesday	Second term begins. Registration.
	22,	Wednesday	Washington's Birthday, holiday.
	24,	Friday	Elocution Contest, 8.30 P. M.
March	17,	Friday	St. Patrick's Day, holiday.
April	3,	Monday	Examinations for third quarter begin
	12,	Wednesday	Easter Recess begins at 4 P. M.
	17,	Monday	Classes resumed at 9 A. M.
May	11,	Thursday	Conditional Examinations.
	25,	Thursday	Ascension Day, holiday.
	30,	Tuesday	Memorial Day, holiday.
June	2,	Friday	Memorial Mass for deceased benefactors professors and students.
	12,	Monday	Final examinations begin.
	18,	Sunday	Baccalaureate Sermon..
	19,	Monday	Registration for fall term.
	22,	Thursday	Commencement exercises.
	24,	Saturday	Scholarship Examinations.

BOARD OF TRUSTEES

VERY REV. JOHN W. MOORE, C. M., LL. D.,
PRESIDENT.

REV. EDWARD L. CAREY, C. M., LL. D.,
VICE-PRESIDENT AND SECRETARY

REV. JOHN J. CLOONAN, C. M., S. T. B.,
TREASURER.

REV. JAMES F. KENNEDY, C. M.

REV. JOHN J. CORCORAN, C. M.

JOSEPH F. KEANY, A. M., LL. B.

WILLIAM E. KELLY

JOHN T. KING

OFFICERS OF ADMINISTRATION

VERY REV. JOHN W. MOORE, C. M., LL. D.,
PRESIDENT.

REV. EDWARD L. CAREY, C. M., LL. D.,
PRINCIPAL.

REV. JOHN J. CLOONAN, C. M., S. T. B.,
TREASURER.

REV. CHARLES N. FAIVRE, C. M.,
PREFECT OF STUDIES.

REV. JOHN J. CORCORAN, C. M.,
PREFECT OF DISCIPLINE.

REV. THOMAS J. O'NEILL, C. M.,
ASST. PREFECT OF DISCIPLINE.

OFFICERS OF INSTRUCTION

REV. JOHN J. O'BYRNE, C. M.,
MATHEMATICS.

REV. JAMES SALDANA, C. M.,
PHYSICS.

REV. GREGORY A. CAMPBELL, C. M.,
GREEK.

REV. CASPER A. HAFNER, C. M.,
MATHEMATICS.

REV. JOHN J. LINEY, C. M.,
CHEMISTRY.

REV. WILLIAM P. BRADY, C. M.,
BIOLOGY.

REV. F. LEON CAHILL, C. M.,
LATIN.

REV. ALBERT J. BOST
MODERN LANGUAGES.

IRVING GREEN
BOOKKEEPING

LEO PIERRE CALLAN, A. M.,
ENGLISH.

ERNEST E. JONES
DRAWING

ARNOLD VAN DYKE POWER, Litt.D.,
ENGLISH.

OFFICERS OF INSTRUCTION

SECONDO MARCHISIO, A. M.,
LATIN.

GEORGE B. ROSE, A. M.,
LATIN.

DIEGO SANDRINO, A. B.,
MODERN LANGUAGE.

OSWALD M. MURPHY, A. B.,
HISTORY.

EDWARD J. CROWE, A. B.,
LATIN.

WILLIAM J. O'BRIEN, A. B.,
ENGLISH.

JOHN P. OWEN, LL.M.,
STENOGRAPHY AND TYPEWRITING.

MARTIN TRACEY,
MATHEMATICS.

S. PATRICK WOODHOUSE,
ENGLISH.

FRANK J. HOWARD,
MATHEMATICS.

RAYMOND J. SHANNON,
DRAWING.

PETER J. CURTIS,
PHYSICAL TRAINING.

St. John's College High School

BROOKLYN

GENERAL STATEMENT

History

St. John's College was formally opened in September, 1870, at the invitation of the Right Reverend John Loughlin, the first Bishop of Brooklyn. Established for the purpose of offering a sound and liberal education to the Catholic youth of Brooklyn and vicinity, it was intrusted to the care of the Priests of the Congregation of the Mission of St. Vincent de Paul. The first public lecture was delivered by the distinguished convert and publicist, Orestes A. Brownson. Several days later, regular classes were formed, and St. John's College became from that time a center of liberal education in the borough of Brooklyn.

In September, 1871, the college was chartered by a special act of the Legislature of the State of New York. In December, 1906, it was rechartered by the Regents of the University of the State of New York, and accorded the privileges of a university, with the authority to establish such professional departments as time and development may demand.

Location

The college is very conveniently located at the corner of Lewis and Willoughby Avenues. It is accessible from all parts of New York City and Long Island by surface or elevated lines. Within two blocks of the college, one may reach the Myrtle Avenue and Broadway elevated and surface lines; also the DeKalb, Sumner, Ralph, Reid and Bushwick Avenue surface cars.

System of Education

The system of education followed in St. John's College is a practical attempt to answer the question: how best to develop and train a boy's mental and moral faculties, and the further questions: how best fit a boy to solve the fundamental problem of life and how best prepare him to discharge his social, professional, and civic duties?

It will be seen at once that this is an ambitious undertaking, but a college which aims at less than this has no right to exist. For the State requires that an institution of learning upon which it confers a charter, impart instruction according to a definite standard; that it teach the youth who seeks its guidance principles of sound morality and enlightened patriotism; that it inculcate the highest ideals of citizenship. On the other hand, the Church demands that a Catholic college be a herald of revealed truth to the young, whose spiritual interests must be deemed paramount. There must never be any lowering of this standard; for any lowering of it would inevitably vitiate the entire system.

The means which St. John's College employs to accomplish the purpose of education are traditional, but modified as circumstances of time and place require. The various studies are carefully combined according to their different educational value into a curriculum, which promises the most symmetrical training of the intellectual faculties. A strictly rigid system is incompatible with progress; while too easy yielding to novelty distracts and weakens. In this, as in other matters, the golden mean must be sought. Let there be elective studies by all means; but not before the student is competent to make a reasonable and useful choice; and not an election which falls in with his humor, caprice, or laziness.

The experience of the most competent teachers from the golden age of Greece down to the present day is that a liberal education affords the best basis for specialization; that the young man whose intellect has expanded and grown and been cultivated by assimilation of artistic thought and expression in the best literature of all ages is better fitted to receive a tech-

nical training than is one for whom there is practically no past and no history. This latter will always lack perspective, will never be able to perceive with accuracy the relation of things, and will never have a correct estimate of human progress. He may, indeed, acquire great mechanical skill, and may even become a captain of industry; but his mind will always be dwarfed. To be sure, we demand great technical ability in the physician, the lawyer, the engineer; but we deem it extremely desirable that each should be, besides, a cultivated gentleman.

While readily admitting that the scope of a college course at the present day must differ greatly from that of the seventeenth, eighteenth, or even the early nineteenth century, we contend that the essential elements of a liberal education have undergone no change. The classic tongues of Greece and Rome still appeal to imagination and reason. No language has ever surpassed Latin in affording mental discipline, and no literature has ever been so humane as that of Rome, no literature so universally popular. Latin has been, and is to-day, the most universal of all languages among the learned. It seems to be, by excellence, the language of the law, literature, and life. It is the parent of the most refined languages of Europe, and enters largely into the composition of our own English tongue.

Greek, too, more subtle, more refined, expressing nicer shades of meaning, the language of the most perfect literature the world has yet seen, one of the most precious heirlooms of the past, should find an honored place in every scheme of liberal education. Mathematics, science, history, and modern languages are the other chief factors of our system, with, of course, English in its natural place. The study of languages familiarizes the student with the laws of thought and develops fineness of perception, accuracy of judgment, and delicacy of expression. Mathematics and science unfold to the student the aspect and the laws of nature, and exercise and sharpen his reasoning powers. His faculties of observation are trained in the physical, chemical, and biological laboratories. Thus imagination, taste, and understanding are harmoniously developed and refined.

Moral and Religious Training

Intellectual training and learning of themselves have no moral force. Only religion purifies the heart and guides and strengthens the will. Therefore, running through this whole scheme of education is the effort to build character; to check and correct wrong tendencies; to draw out and strengthen high aspirations; to instill noble ideas. Religious instruction finds its function here; to banish it from the curriculum would be to leave the student's soul without aim, without a fitting destiny. The function of religion in education will soon cease to be a matter of debate. To-day the majority of great educators, irrespective of creed, accept the Catholic doctrine that a system of education which scarcely, if at all, touches the moral and religious side of character is radically deficient, and is apt to produce moral weaklings, if not moral monsters. Students of any denomination are admitted to the classes, but all are required to show a reverent demeanor during the daily exercises of public prayer. The Catholic students are required to attend the courses in Christian Doctrine, to be present at the chapel exercises, to make the annual retreat, and to approach the Sacraments monthly.

Equipment

The college is provided with four new and well-equipped laboratories, affording ample opportunity for biological, physical and chemical experiments. Individual laboratory and research work under the special supervision of the science instructor is encouraged.

A finely furnished auditorium seating about eight hundred people is frequently the scene of student theatricals, literary and musical entertainments.

St. John's prides itself in possessing one of the best gymnasiums in the borough. Brightly lighted and thoroughly equipped with gymnastic apparatus, it contains excellent hand-ball and tennis courts. A swimming pool, 50 x 17, running in depth from four to seven feet and fed by an artesian well adjoins the gymnasium. It is fitted with toilets, showers

and lockers. An experienced instructor is constantly in charge of the gymnasium and pool to safeguard against accident or injury.

To the east of the college buildings lies the campus, containing all the facilities for outdoor sports and athletic meets. A grandstand with a seating capacity of five hundred accommodates the spectators during the inter-class and inter-scholastic games.

A lunch room in the basement of the college building provides the mid-day meal for all those who wish to take advantage of it. A variety of hot and cold dishes, sandwiches, etc., may be obtained at moderate prices.

Scholarships

The Catherine Menahan.—Two scholarships founded by P. J. Menahan in perpetuity of his deceased wife, Catherine Menahan. One of these scholarships is awarded to a graduate of Our Lady of Good Counsel Parochial School, the other to a graduate of St. John the Baptist's Parochial School.

The Brownson.—These two scholarships were founded by a friend of the college and are awarded by competitive examination to graduates of Parochial and Public Schools.

The Maria E. Summers.—Established in perpetuity by the late Maria E. Summers for the education of a worthy young man for the priesthood.

The Anna Eliza Walsh.—Four scholarships established in perpetuity of the late Anna Eliza Walsh for the education of Catholic young men to the priesthood in the diocese of Brooklyn.

St. John's College.—Two scholarships are annually offered by the trustees of St. John's College. Awarded by competitive examination on the Saturday immediately following the annual commencement.

A student holding a scholarship and failing to maintain an average of at least seventy-five per cent forfeits his scholarship.

Prizes

The McGill Medal.—A gold medal is donated by Rev. Theodore Regulski '06, for the highest standing in Religion.

The Quigley Medal.—A gold medal is donated by Rev. William J. Maguire '73, A. M., LL. D., for the highest general average in the high school department.

The Sullivan Medal.—A gold medal is donated by the Rev. Joseph A. Bennett for the highest general average in the fourth year classes.

The McHale Medal.—A gold medal is donated by the Hon. John A. Valentine for the highest general average in the third year classes.

The Carroll Medal.—A gold medal is donated by the Hon. Frank J. Gallagher '88, A. M., LL. B., for the highest general average in the second year classes.

The Albert Medal.—A gold medal is donated by the Rev. Peter L. Rickard '93, A.M., for the highest general average in the first year classes.

The De Paul Medal.—A gold medal is donated by the Rev. William J. Costello for the highest general average in the February class.

The Figueira Medal.—A gold medal is donated by Matthias Figueira, M.D., LL. D., for the best recitation in the high school elocution contest.

The Pitman Medals.—A gold medal, a silver medal and a bronze medal are donated by Isaac Pitman & Sons for the best general scholarship in the stenography courses.

Needs of the College

It will not be amiss here to inform the friends of the college of the different ways in which they may express their generosity. Unlike secular institutions of learning which are most frequently the recipients of large benefactions, St. John's College relies for its maintenance on the fees of its students.

Enjoying a just pride in its record of fifty years of service to the people of Brooklyn and elsewhere, it now looks forward to an expression of their gratitude in a practical form. Hampered by lack of financial means to increase and enlarge the scope of its work, the college cannot long sustain the strain of its vast enrollment without the co-operation of its friends. To procure additional professors, whose training has been along special lines, and in order to lay greater stress on those branches of learning with which modern advancement is so closely allied, the college must appeal to those whom its influence or its guidance have made its debtors.

The alumni association includes in its ranks some of the best and most influential men of the borough of Brooklyn. Although these men themselves might not be blessed with ample fortunes, they are, however, in circumstances in which their loyalty and gratitude should prompt them to aid their alma mater. Frequently they are put in touch with men and women who are anxious to do good with their abundance, but in many instances know not where best to bestow it. Legacies and foundations for scholarships and professorships may be practical ways of directing their beneficence, for, in doing so they enable us to remain on an equal basis with the great colleges of the country.

Most frequently worthy students desirous of an education are prevented from obtaining it through lack of personal means. Were the college sufficiently endowed to maintain scholarships for students of this type, who are in many instances our future leaders, it could pride itself on bringing within the reach of many more the advantages of a genuine Christian education. The future foundation of the Church is to be built on the battlefield of education, and unless the present generation is trained to defend those principles which are the keystone of morality and religion, we will have failed in a great duty which centuries of work and struggle will fail to compensate.

CORPORATE TITLE: The corporate title for legacies and foundations is ST. JOHN'S COLLEGE, BROOKLYN.

STUDENT ORGANIZATIONS

The student organizations are approved of by the College Council and placed under the direction of one of the professors of the teaching staff. Since it is the duty of the college to train the mind and guide the heart of every one of its students outside its walls as far as it may be able, it does not allow students on its register who are associated in any way with outside organizations, which are not sanctioned by the College Council.

In order to maintain a respectable standard in the student organizations, no student may be elected an officer who does not prove himself a scholar and a gentleman. The College Council reserves the privilege to remove from office any student who does not represent the scholarship and gentlemanly character of St. John's boys.

Sodality of the Immaculate Conception

The sodality of the Blessed Virgin Mary was organized in September, 1902, under the title of the Immaculate Conception and under the patronage of St. John the Baptist. Its purpose is to develop in the students a thoroughly Christian character, embodying a strong love for those virtues which should guide their daily conduct everywhere, and a sterling devotion to those Catholic ideals, which are the guideposts to true greatness. The students are ever under the protection of our Blessed Lady, guided by her example and encouraged by her inspiration. Weekly meetings are conducted in the chapel at which the office of the Blessed Virgin is recited, followed by a short instruction and benediction.

Student Council

An organization aiming to adjust differences, which may arise from time to time between students or classes, was incorporated with this title. All activities of the high school, out-

side of those in the province of athletics are referred to this council for discussion and approval. To create complete harmony in the student body, which consists in the observance of the rules of gentlemanly deportment and of the regulations of the institution, is another object of this council. The class presidents compose its membership.

Athletic Association

Every student automatically becomes a member of this association after the payment of the athletic fee at registration. To foster and encourage all sports, but not to the detriment of school work, is the primary purpose of this organization. Interest in all sports, irrespective of individual tastes, is an equally important aim. Desirous of developing the body as well as of training the mind, St. John's endeavors to have every one of its students participate in sports. This end it strives to accomplish by making membership in the athletic association compulsory. The high standards which St. John's has created and maintains in inter-scholastic circles are dependent upon the active participation and lively interest, which all of its students show along the lines of athletic endeavor.

Boosters Club

Heralded by signs and pictures which promised much, the Boosters Club was ushered in among the student organizations in February, 1921. Time has witnessed its promises fulfilled. Organized for the purpose of cultivating and preserving a genuine spirit of loyalty to the school and interest in all its activities, success has rewarded its every effort. Every student in the high school is urged to join this club in order that the association which it offers may keep his love for the school and his devotion to its interests ever fresh and active.

Junior Joyce Kilmer Fraternity

No educational institution is properly fitted for its high purpose which does not encourage literary organizations

among its students. Designed to create and foster a genuine love of good literature, this fraternity, by weekly literary programs succeeds in accomplishing that end. Though primarily a literary fraternity, its social activities are of equal interest to its members. Situated in the Shawangunk Valley and bordering a lake swept by the refreshing breezes of that historic spot, the fraternity maintains a summer camp for its members. Thus, by combining the literary with the social life of the student, it succeeds in reaching that laudable end of every school organization, the strengthening of the ties of good fellowship in the student body.

Peripatetikoi

Hikes to places of interest for relaxation after five days of school work is the weekly program of this club. Membership has multiplied with the years. The fun, exercise and education, which this club shares is best told in the healthy bodies and active minds of its members. No student can find a more refreshing or enjoyable change from his daily study and recitation than in the Saturday rambles of this club. If it teaches a greater love for Nature with its wonderful and bewildering beauties, it fulfills a noble purpose.

The Press Club

Almost coincident with the initial copy of the RED AND WHITE appeared the announcement of the Press Club. Composed of the members of the college magazine staff, both past and present, and of other alumni who are deemed valuable assets in its editorial work, its aim to foster a spirit of interest in the school publications is praiseworthy. Like other organizations of similar character, its efforts to knit together more closely the student body with the Alumni, should be constantly encouraged and materially supported.

St. John's College Debating Society

Interest in public speaking, together with a desire for discussion on important topics of the day, inspired the formation of this society. Scholarly students who appreciate the advantages gained by membership in an organization of this kind, may become members with the approval of the committee on membership. Monthly debates are arranged between the different classes, and opportunity given to interested students to broaden their knowledge on subjects with which their school work might prevent them from being sufficiently acquainted.

“The Red and White”

The RED AND WHITE is a monthly periodical published by the combined high school and college departments. Its efforts to interest the students in all school activities is supplemented by its encouraging prospective writers to contribute to its pages. No less important is its aim to create a spirit of just rivalry between the different classes by the publication of all their literary, athletic and social endeavors. It reports all news of interest to the student body and welcomes all items of information from the students and the alumni.

ADMINISTRATION

Attendance

Classes begin at 9 A. M. and end at 2:30 P. M. Laboratory work may continue until 4 o'clock. The time spent at the college is occupied with lectures, recitations and laboratory work. Students are required to prepare their lessons at home. For this preparation, the students of the high school department require about three hours each day.

Regular attendance is exacted of every student in St. John's. When sickness or some other valid reason prevents a student from attending his classes, he must, on his return to school, bring a written excuse containing the reason of his absence to the Prefect of Discipline. In cases of prolonged absence, credit will not be given for the student's work in any subject unless a valid excuse in writing has been submitted. Parents withdrawing their children from school for holiday trips or for similar reasons will find out that such excuses will not be accepted as valid. Students who absent themselves from class without the permission of one of the Prefects are liable to dismissal. Since smoking is forbidden on the college property, no excuse will prevent dismissal. Familiarity with these rules on the part of parents and guardians will add much to their observance.

Examinations

Examinations in all subjects are held at the end of each quarter. Oral tests are given from time to time at the discretion of the professor. The result of the quarterly examination combined with the student's class mark for that quarter determines the average in each subject for that quarter. Students absent from quarterly examinations will be allowed special examinations in the two weeks following, provided their written excuse has satisfactorily explained their absence. Failure to receive the passing average of seventy-five per cent in each subject for the year classifies the student as "conditioned" and not eligible for promotion.

A "conditioned" student may remove his failure by repeating the subject in class or by special examinations given in the first full week of May and September. The rules governing these examinations are posted on the bulletin board one month before their date. A student must have received at least fifty per cent. for the year in that subject in which he applies for an examination. If he fails to receive at least fifty percent. in the examination, he must repeat the subject in class. But if he receives between fifty and seventy per cent., he is permitted one more trial. Failure in the second trial requires him to repeat the subject in class.

Reports

A report of the student's standing in class, his attendance, deportment, interest and ability, is made to the Prefect of Studies four times a year on blanks provided for that purpose. If the Prefect is notified of a student's deficiency in any of his studies, the student is admonished of his failing and encouraged to better efforts. If no improvement follows this word of advice, the parent or guardian is requested to co-operate before withdrawal is necessary.

A complete report of the student's scholarship is sent to parents and guardians four times a year, in November, February, April and June. Parents not satisfied with the November report should communicate with the Prefect of Studies at once. Delay in this duty will make it impossible later on to increase the student's interest and industry when irremovable habits have been formed. A special report of a student's attendance and scholarship may be obtained upon request.

Courses

St. John's College High School offers a classical, latin-science and a commercial course. The classical course furnishes the best foundation for scholarship and is deservedly and traditionally the most popular course. The latin-science course is often elected by those who are looking forward to professional careers in law, medicine, dentistry, pharmacy,

agriculture and engineering. The commercial course is intended to qualify students for positions as stenographer, typewriter, bookkeeper, public accountant, private secretary and court reporter. These courses are based on the requirements of the State Board of Regents, whose suggestions and directions are carefully followed.

The college grants diplomas to students who satisfactorily complete the studies prescribed for one of the four-year courses. Diplomas and certificates are issued to commercial students according to the scope of the work accomplished. Courses in bookkeeping, stenography and typewriting covering a period of one and two years will be offered for advanced students.

Student Expenses

Student expenses are payable in advance. No deduction in tuition will be made for absence, unless it be caused by protracted illness.

Classical course, tuition, per quarter.....	\$25.00
Latin-Science course, tuition, per quarter	25.00
Commercial course, tuition, per quarter.....	20.00
Evening Commercial course, tuition, per term.....	15.00
Laboratory fee, per year for each laboratory subject.....	15.00
Breakage fee, per year for each laboratory subject*.....	5.00
Conditional Examination fee, for each subject.....	3.00
Gymnasium fee, per year	5.00
Athletic fee, per year**	5.00
Gymnasium locker fee, per year.....	1.00
High School diploma	5.00
Commercial diploma	2.00
Commercial certificate	1.00

* This deposit, less the amount charged for breakage, will be returned to the student at the end of the year.

** This fee must be paid in advance by all students to the Treasurer of the Athletic Association. Full membership in the association and admission to all athletic games at home are covered by his fee.

ADMISSION

Candidates for admission must have successfully completed the work of the elementary or grammar schools. A certificate from the Regents, covering the preliminary subjects, or a certificate of graduation from a public or parochial school, will exempt the applicant from the entrance examination. Candidates not presenting Regents' or graduation certificates will be examined in the following subjects:

English.—Parts of speech and their modifications, analysis, parsing and construction, rules of syntax, correction of false syntax; use of capital letters, punctuation. A short composition. The candidate's proficiency in writing and spelling will be judged from the exercise in composition. He will also be required to read aloud, and will be judged by his articulation, pronunciation and ability to interpret the writer's thought.

Arithmetic.—Notation, fundamental operations, decimals, multiples and measures, common fractions, compound quantities, ratio and proportion, percentage, interest and discount, square root.

Geography.—Elements of mathematical, physical and political geography; political and descriptive geography of North America, South America, Europe, Asia, Africa and Oceania.

United States History.—Principal epochs and events of United States history. A knowledge of all great movements and their causes. The principal characters in our history.

Classical Course

In the classical course there are no optional subjects. The modern languages are elective. Pupils not wishing to follow the prescribed course will be classified as "Special."

FIRST YEAR				SECOND YEAR			
SUBJECTS	*Periods	Description		SUBJECTS	Periods	Description	
		Course	Page			Course	Page
Christian Doctrine	1	61	29	Christian Doctrine	1	61	29
English	5	1	25	English	4	2	25
Latin	7	11	26	Latin	7	12	27
Ancient History . .	2	81	32	Greek	5	21	27
Algebra	5	62	30	U. S. History . .	3	82	33
Biology	5	71	31	Plane Geometry .	5	64	30
Drawing	2	91	35	Drawing	2	92	35
Vocal Music . . .	1	101	36	Vocal Music . . .	1	102	36
Physical Training .	2	191	39	Physical Training	2	192	40

THIRD YEAR				FOURTH YEAR			
SUBJECTS	Periods	Description		SUBJECTS	Periods	Description	
		Course	Page			Course	Page
Christian Doctrine	1	61	29	Christian Doctrine	1	61	29
English	4	3	26	English	4	4	26
Latin	7	13	27	Latin	5	14	27
Greek	5	22	27	Greek	5	23	28
Modern History . .	2	83	33	Civics	3	85	34
Inter. Algebra . .	2	63	30	Solid Geometry	5	65	30
Physics**	7	72	31	& Trigonometry	5	66	31
Drawing or	2	92	35	Chemistry** . . .	7	73	32
Economics . . .	2	84	34	Physical Training	2	194	40
Physical Training .	2	193	40				

* Morning periods fifty minutes; afternoon periods forty-five minutes.

** Three recitation and four laboratory periods a week.

Latin-Science Course

FIRST YEAR				SECOND YEAR			
SUBJECTS	Periods	Description		SUBJECTS	Periods	Description	
		Course	Page			Course	Page
Christian Doctrine	1	61	29	Christian Doctrine	1	61	29
English	5	1	25	English	4	2	25
Latin	7	11	26	Latin	7	12	27
Ancient History . .	2	81	32	Modern Language	5	Elec	
Algebra	5	62	30	U. S. History . .	3	83	33
Biology	5	71	31	Plane Geometry .	5	64	30
Drawing	2	91	35	Drawing	2	92	35
Vocal Music	1	101	36	Vocal Music . . .	1	102	36
Physical Training .	2	191	39	Physical Training	2	192	40

THIRD YEAR				FOURTH YEAR			
SUBJECTS	Periods	Description		SUBJECTS	Periods	Description	
		Course	Page			Course	Page
Christian Doctrine	1	61	29	Christian Doctrine	1	61	29
English	4	3	26	English	4	4	26
Latin	7	13	27	Latin	5	14	27
Modern Language .	5	Elec		Modern Language	5	Elec	
Modern History . .	2	83	33	or Mech. Draw'g	5	94	35
Inter. Algebra . .	2	63	30	Civics	3	85	34
Physics*	7	72	31	Solid Geometry &	5	65	30
Draw.or Economics	2	84	34	Trigonometry .	5	66	31
Physical Training .	2	193	40	Chemistry* . . .	7	73	32
				Physical Training	2	194	40

* Three recitation and four laboratory periods a week.

Commercial Course

FIRST YEAR				SECOND YEAR			
SUBJECTS	Periods	Description		SUBJECTS	Periods	Description	
		Course.	Page			Course	Page
Christian Doctrine	1	61	29	Christian Doctrine	1	61	29
Bookkeeping . . .	5	121	36	Bookkeeping . . .	6	122	37
Geography	1	141	38	Commercial Law .	2	133	37
English	3	1	25	English	2	2	25
Correspondence . .	3	131	37	Correspondence .	2	132	37
Arithmetic	5	111	36	Arithmetic	4	112	36
Spelling	5	161	39	Spelling	3	162	39
Penmanship	5	151	38	Penmanship	2	152	38
Physical Training .	2	191	39	Modern Language	5	Elec	
				Geography	1	142	38
				Physical Training	2	192	40

*THIRD YEAR A				*THIRD YEAR B			
SUBJECTS	Periods	Description		SUBJECTS	Periods	Description	
		Course	Page			Course	Page
Christian Doctrine	1	61	29	Christian Doctrine	1	61	29
English	2	3	26	English	2	3	26
Correspondence . .	2	124	37	Correspondence .	2	124	37
Stenography	10	171	39	Typewriting	5	181	39
Typewriting	8	181	39	Bookkeeping	13	123	37
Modern Language .	5	Elec		Modern Language	5	Elec	
Physical Training .	2	193	40	Physical Training	2	193	40

* Third year students may select Group A or Group B.

SYLLABUS**English**

English is taught during the entire course. The object of the study of English is to develop a taste and love for good literature while acquiring ability to use the language correctly and with some degree of elegance. The means to this end are precept and practice. Part of the time is given to the study of rhetoric; part to the study of literature and exercises in reading, writing and elocution. Selected passages from literary works are studied at home and in the classroom. Other portions are committed to memory. When possible, the entire work is read aloud in the classroom, that the pupil may learn how to give distinct and interpretative expression to the author's thought. Spelling and pronunciation receive due attention. In the early part of the course there are daily exercises in paragraph writing, which, toward the end of the first year, develop into the weekly composition. The student's knowledge of the principles of grammar and rhetoric is tested and strengthened by criticism of his composition work and by frequent questions on the literature studied during the course. One hour each week is devoted to voice culture and elocution, in which special attention is given to breathing and articulation. The selections memorized in the literature work, or other selections approved by the teacher, are delivered as exercises in elocution.

1. Brubacher and Snyder's High School English. Grammar; punctuation; letter writing; description; narration; elementary study of the paragraph; sentence analysis.

Literature for reading and study. "The Ancient Mariner"; "Lay of the Last Minstrel"; "Ivanhoe"; "Treasure Island"; "The Odyssey"; and "As You Like It." Exercises in composition; voice culture.

First year, five periods a week. The time is divided as follows: Rhetoric and composition, two periods; literature, two periods; voice culture, one period. Commercial course, three periods a week.

2. Brubacher and Snyder's High School English. Exposition; the study of the paragraph completed. Reviews; letter

writing; moods; tenses; conjunctions; sentence analysis; argument; sentences and words. Reviews; verbs; verbals; sentence analysis; general review of grammar and composition.

Literature for reading and study. "The Deserted Village"; "Elegy in the Country Church Yard"; "A Tale of Two Cities"; "Life of Goldsmith"; "The Merchant of Venice"; "Silas Marner." Exercises in composition; voice culture.

Second year, four periods a week. Rhetoric and composition, two periods; literature, one period; voice culture, one period. Commercial course, two periods a week.

3. Brubacher and Snyder's High School English. Words; sentences; paragraphs; narration; review of capitalization; description; exposition; review of letter writing.

Literature for reading and study. "David Copperfield"; "Idylls of the King"; "Newman's Selections"; "Julius Caesar"; selected short stories. Exercises in composition; voice culture.

Third year, four periods a week. Rhetoric and composition, two periods; literature, one period; voice culture, one period. Commercial course, two periods a week.

4. Brubacher and Snyder's High School English. Argumentation; criticism; review of grammar; oral and written composition; literary forms; figures of speech; prosody; general review of third and fourth years work; oral and written composition.

Literature for reading and study. "Burke's Speech on Conciliation"; "L'Allegro"; "El Penseroso"; "Lycidas"; selections from Wordsworth, Keats and Shelly in Book IV of Palgrave's Golden Treasury; "Carlyle's Essay on Burns"; "Macbeth." Exercises in composition; voice culture.

Fourth year, four periods a week. Rhetoric and composition, two periods; literature, one period; voice culture, one period.

Latin

11. Bennett's Foundations of Latin. Parts of speech. Declensions. Adjectives. Comparison of adjectives. Formation and comparison of adverbs. Pronouns. Conjugations.

Deponent verbs. Irregular verbs. Syntax. The cases. The moods. Clauses. Conditional sentences. Indirect discourse. The infinitive. Participles. The gerund and gerundive. The supine. Review. First year, seven periods a week.

12. Bennett's Latin Grammar. Sound, Accent, Quantity. Inflections. Nouns. Adjectives. Pronouns. Conjugations. Periphrastic conjugation. Irregular verbs. Defective verbs. Impersonal verbs. Particles. Adverbs. Prepositions. Interjections. Word formation. Derivatives. Compounds. Caesar's Gallic War, Books I-IV. Second year, five periods a week. Bennett's Preparatory Writer, Lessons I-XXI. Second year, two periods a week.

13. Bennett's Latin Grammar. Syntax of sentences, nouns, adjectives, pronouns, verbs, particles. Word-order and sentence-structure. Hints on Latin style. Prosody. Verse structure. The dactylic hexameter and pentameter. Cicero, Orations against Cataline. Three orations, Pompey, Archias and Marcellus. Third year, five hours a week. Bennett's Preparatory Writer, Lessons XXXII-LXIV. Third year, two periods a week.

14. Bennett's Latin Grammar. Review of principal parts at the direction of the professor. Virgil's Aeneid, Books I-VI. Fourth year, four periods a week. Casserly's Latin Prosody, one period a week.

Greek

21. Gleason and Atherton's First Greek Book. Parts of speech. Verbs. Nouns. Proclitics and enclitics. Reduplication. Perfect middle and passive. Linguals of the consonant declension. Subjunctive mood. Optative mood. Adjectives of the consonant and A-declensions. Imperative mood. Infinitives. Particles. Indirect discourse. Liquid verbs. Irregular nouns. Formation of words. Verbals. Reading lessons. Second year, five periods a week.

22. Goodwin's Greek Grammar. Inflections. Nouns. Formation of cases. Comparison of adjectives. Adverbs and their comparison. Numerals. Pronouns. Verbs. Conjugations. Augment and reduplication. Endings. Formation and

the inflection of tense systems. Syntax. Subject and predicate. The cases. Syntax of the verb. Adjectives. Negatives. Versification. Xenophon's *Anabasis*, Books I-V. Third year, grammar and composition, three periods a week; translation, two periods a week.

23. Goodwin's Greek Grammar. Review of principal and other parts which may be useful in translation. Homer's *Iliad*, Books I-IV. Fourth year, grammar and composition three periods a week; translation, two periods a week.

French

31. Otto's French Grammar. Part 1. Pronunciation; parts of speech; declensions; auxiliary verbs; adjectives; numerals; comparison; regular verbs; conjugations; pronouns; passive verbs; reflexive verbs; impersonal verbs; adverbs; prepositions; conjunctions; interjections; irregular verbs; defective verbs. Second year, five periods a week.

32. Otto's French Grammar. Part 2. Orthography of words; genders of substantives; plural of nouns; possessive adjectives; personal pronouns; syntax of negations; government of verbs; use of the different tenses; the moods; idiomatical expressions; exercises and reading lessons; conversation. Third year, five periods a week.

33. Otto's French Grammar. During this year the professor, with the grammar as a reference, reviews that matter which he judges most essential in the art of conversation. Select passages from the classics are chosen and translated. Attention is given to letter-writing and composition. Fourth year, five periods a week.

German

41. Thomas' German Grammar. Part 1. Parts of speech and their variations; the article, noun, declensions, adjective, comparison, numerals; the pronoun; auxiliaries; the verb; weak and strong conjugations; the particles; word order; drill in the rudiments of grammar; reading lessons and exercises. Second year, five periods a week.

42. Thomas' German Grammar. Part 2. Syntax of the article, the noun, the cases, the adjective, and the pronoun; use

of the tenses; the moods; the particles; the passive verbs; syntax of the adverb, the preposition; conjugations; interjections; word formation; word combination; word order; exercises and reading lessons. Third year, five periods a week.

43. Thomas' German Grammar. During this year the professor, with the grammar as a reference, reviews that matter which he judges essential in the art of conversation. Select passages from the classics are chosen and translated. Attention is given to letter-writing and composition. Fourth year, five periods a week.

Spanish

51. Otto's Spanish Grammar. Part 1. Pronunciation; parts of speech; declensions; auxiliary verbs; adjectives; numerals; comparison; regular verbs; conjugations; pronouns; passive verbs; reflexive verbs; impersonal verbs; adverbs; prepositions; conjunctions: interjections; irregular verbs; defective verbs. Second year, five periods a week.

52. Otto's Spanish Grammar. Part. 2. Orthography of words: genders: plural of nouns; possessive adjectives; personal pronouns; syntax of negations; government of verbs; use of the different tenses; the moods; idiomatical expressions; exercises and readings; conversation based on reading lessons. Third year, five periods a week.

53. Otto's Spanish Grammar. During this year the professor with the grammar as a reference reviews that matter, which he judges essential in the art of conversation. Select passages from the classics are chosen and translated. Attention is given to letter-writing and composition. Four year, five periods a week.

CHRISTIAN DOCTRINE

61. Christian Doctrine is taught one hour a week throughout the entire course. Deharbe's Catechism is the text book used. The recitations are supplemented by lectures on Bible and Church History. This course is optional for non-Catholic students.

MATHEMATICS

Elementary Algebra

62. Wentworth's New School Algebra. Definitions and notations; simple equations; positive and negative numbers; addition and subtraction; multiplication and division; special rules; factors; fractions; fractional equations; simultaneous equations. Involution and evolution; theory of exponents; radical expressions; simple quadratic equations; review of radical expressions and quadratic equations; simultaneous quadratic equations; ration; proportion; binomial theorem for positive integral exponents. First year, five periods a week.

Intermediate Algebra

63. Slaughter and Lennes' High School Algebra.—Review of elementary algebra; interpretation of the forms $\frac{a}{o}$, $\frac{a}{\infty}$, $\frac{o}{o}$; imaginaries; exponents; evolution. Quadratic equations, arithmetical, geometric and harmonic progressions; binomial theorem; logarithms; graphic interpretation of equations. Third year, two periods a week.

Geometry

64. Wentworth's Plane Geometry. Terms; axioms; definitions; the straight line; angles; perpendicular, oblique and parallel lines; triangles; quadrilaterals; polygons; symmetry; the circle; theory of limits; measure of angles; exercises and problems; review of Books I and II; theory of proportion. Similar polygons; numerical properties of figures; exercises and problems; areas of polygons; comparison of polygons; problems of construction; exercises; regular polygons and circles; construction; maxima and minima; exercises. Second year, five periods a week.

65. Wentworth's Solid Geometry Lines; planes; angles; polyhedrons; prisms and parallelopipeds; pyramids; general theorems; similar and regular polyhedrons; cylinders; cones; prismatoid formula; spheres; figures on the surface of a sphere; measurements of spherical surface; spherical volumes; exercises. Fourth year, five periods a week for first semester.

Trigonometry

66. Wentworth's Plane and Spherical Trigonometry. Functions of acute angles; the right triangle; goniometry; the oblique triangle; construction of tables. The right spherical triangle; the oblique spherical triangle; applications of spherical trigonometry. Fourth year, five periods a week for second semester.

SCIENCES

The sciences are taught by lectures, recitations and laboratory experiments. As many periods are assigned for laboratory as for lecture work. For the most part the lectures are short and informal. Many of the lectures are given in the laboratory that the students may immediately prove by experiment the truth of the statements made by the lecturer. A description of each experiment, with the conclusions drawn from it, is set down in the note book. The recitations are conversational, and are made at opportune times in the laboratory between or during experiments. These informal recitations are supplemented, from time to time, with oral and written tests.

Biology

71. Hunter's Elements of Biology. Experiments in Chemistry and Physics; protoplasm and cell; flowers; fruits; seeds and seedlings; roots; buds and stems; leaves, ecology; flowerless plants. Protozoa; metazoa; sponges, cœlenterates; starfish. Worms; crustaceans; insects; spiders and myriapods; mollusks; fishes, amphibians; reptiles; birds, mammals. Foods; digestion and absorption; the blood; circulation; muscles; the skeleton; respiration; excretion; the nervous system; the senses. First year, five periods a week.

Physics

72. Black and Davis' Practical Physics. Introduction: Weights and Measures. Simple Machines. Mechanics of Liquids. Mechanics of Gases. Non-parallel Forces. Elasticity and Strength of Materials. Accelerated Motion. Force and

Acceleration. Energy and Momentum. Heat Expansion and Transmission. Water, Ice and Steam. Heat Engines. Magnetism. The Beginnings of Electricity. Battery Currents. Measuring Electricity. Induced Currents. Electric Power. Alternating Current Machines. Sound. Lamps and Reflections. Lenses and Optical Instruments. Spectra and color. Electric Waves; Roentgen Rays. Third year, three recitation and four laboratory periods a week.

Chemistry

73. Smith's Elementary Chemistry. Substances and Properties. Air and its Components. Oxygen. The Measurement of Gases. The Molecular Hypothesis. Water. Making of Formulae and Equations. Hydrochloric Acid. Calculations. Sodium and Sodium Hydroxide. Valence. The Oxides of Carbon. Starch and Substances made therefrom. Ammonia. The Oxides and Oxacids of Sulphur. Nitric Acid. Phosphorus, Arsenic, Antimony, Bismuth. Compounds of Sodium and Potassium. Fats, Soaps and Related Compounds. Calcium and Its Compounds. Aluminium. Iron, Nickel, Cobalt. Copper and Mercury. Manganese, Chromium and Radium. Silver, Gold, Platinum. Lead and Tin. Plants, Fuels and Foods. The Recognition of Substances. Review of the Metallic Elements. Fourth year, three recitations and four laboratory periods a week.

HISTORY

Ancient History

81. Betten's Ancient World. The Orient. Mankind Undivided. Egypt. The Tigris-Euphrates States. The Middle States—Phoenicians and Hebrews. The Persian Empire. The Greeks—The influence of Geography. The first civilization. The Homeric Age. The Peloponnesian War. From the fall of Athens to the fall of Hellas. The Graeco—Oriental world. Mingling of East and West. Alexander and his conquests. Rome—The place of Rome in History. The land and its people. Class struggles in the Republic. The unification of Italy.

Roman society. The Gracchi. Pompey and Caesar. The Roman Empire—Julius and Augustus. Jesus Christ and His work. The Empire of the first two centuries. The decline in the third century. The rise of Christianity. Roman-Teutonic Europe—The Teutons. The wandering of the peoples. Western Europe 400-768 A. D. The empire of Charlemagne. First year, two periods a week.

American History

82. Hart's New American History. Land and resources. Discovery of America. Columbus and his followers. The Jamestown settlement. The English in America. The Southern colonies. The Middle colonies. The American colonies in the eighteenth century. Work of the Catholic Missionaries in North America. The American Revolution. Washington. The Declaration of Independance. Confederation and constitution. The federalist supremacy. Jefferson. Expansion of the Republic. Louisiana Purchase. Oregon. The War with England. The Monroe Doctrine. Slavery. The Civil War. Abraham Lincoln. The proclamation of Emancipation. End of the War. Reconstruction of the Union. The new South. The Race problem. Party Contests. Foreign relations. War with Spain and its outcome. The Philippines. American policy in the Far East. The municipal government. Summary and review. Second year, three periods a week.

Modern History

83. West's Modern World. Part 1. The Age of Feudalism—Disruption of Charlemagne's Empire. The New Barbarian attack. Britain becomes England. Feudalism. Life in the Feudal Age. The Church. France and England in the Feudal Age. Germany and Italy in the Feudal Age. The Holy Roman Empire—The Hohenstaufen. The Crusades. Learning and Art in the Feudal Age. The Hundred Year War. The Papacy in the age of the Renaissance. The Renaissance. The age of the Protestant Reformation. Lutherism, Calvinism and Catholicism. A Century of Religious Wars. Wars of the French Huguenots. The Thirty Years' War in

Germany. The French Revolution—The constituent assembly at Versailles. Constitution of 1791. The Revolution in decline. The Rise of Napoleon. The French Empire 1804-1814. The Period of Reaction—Congress of Vienna. Revolutions of 1820. Continental Europe 1848-1871. Western Europe. Third year, three periods a week.

Economics

84. Elementary Economics. Introduction. What makes a nation prosperous. Wealth and well-being. The geographical situation. The quality of the people. Competition and co-operation. Law and government. Morals and religion. The division of labor. Power and capital. The organization of business. The economical use of labor on land. Keeping a proper balance among the factors of production. Ways of getting a living. The extractive industries. The general wage question. What determines the rate of wages. The organization of laborers. The rent of land. Interest and the supply of capital. Profits. The government's share. Meaning and importance of consumption. Rational consumption. Luxury. The control of consumption. The battle of the standards. Communism and socialism. The single tax. Anarchism. Constructive liberalism. Third year, two periods a week.

Community Civics

85. Hughes' Community Civics. The community and its members. Needs and forms of government. The citizen's rights and duties. The planning of the community. The health of the community. The higher life of the community. The protection of the community. Training the young citizen. Political parties and elections. Our Chief Executive. National administrative departments. National courts. International relations. Money and credit. Labor and industry. Business organization. Our natural resources. State burdens. American country life. Trade, travel and news. The makers and making of state laws. Courts and their customs. The

schools of New York. People's welfare. Citizenship and suffrage in New York. The Empire State. Fourth year, three periods a week.

Drawing.

91. Representation: Perspective, cylindrical objects, straight line work. Pencil outline. Picture Study. Application of principles of perspective in drawing from memory, dictation and imagination. Still life. Plant life. Color. Rendering, outline, light and shade. Pencil, crayon, water color. Picture Study. First year, two periods a week.

92. Design: Conventionalization of plant and animal forms. Development of the unit, spacing and repetition for surface patterns and borders in two and three tones. Color, line, value and intensity. Pencil, water color. Art object study.—Principles applied to landscapes in two and three values. Color schemes and their development. Work from memory and imagination. Initials and lettering. Plant study in flat tones. Pencil and color. Art object study. Second year, two periods a week.

93. Drawing and Composition: Still life and pose drawing. Arranging, placing and grouping. Outline, mass, light and shade. Pencil, crayon, and colored paper. Art History. Composition of line, mass and color in original landscapes and useful objects. Plant life study for composition and representation. Pencil, ink, charcoal, color, colored paper. Art History. Third year, two periods a week.

Mechanical Drawing

94. The use of drawing instruments. Lettering and conventional lines and symbols. Simple working drawings full size and to scale. Original Work. Projections, intersections, and developments of surfaces and patterns. Machine details. Original problems. Tracings and Blue Prints. Fourth year, five periods a week.

Vocal Music

101. Justine Ward Method. Course I, showing how to interest students in music. The subjects studied are Vocal Production placing of the voice; Sight Reading in numbers and introduction to the staff; Ear training; Simple Rhythmics, metric and free; studies in musical form, elementary phrases; Melody writing, developing the creative impulse. This course is planned for the non-musician as well as the student of music. First year, one period a week.

102. Justine Ward Method. Continuation of Course I. Subjects will include Vocal Production, preparation for all vowels; Sight reading, relative minor scale; Ear training, major and minor phrases; Rhythmics, divided beat, rests of syncopation. Melody writing, tendencies of tone in major and minor scales. The study of simple musical form is continued, emphasizing contrasts and likeness, sequences, etc. Second year, one period a week.

Arithmetic

111. Walsh's Business Arithmetic. Recording Business Transactions. Business Forms. Business Calculation. Percentage, Commercial Discount. Simple Interest. Bank Discount. Numbers and Processes. Production and Consumption. From Producer to the Consumer. Financing Business. Business Measurements. First year, five periods a week.

112. Moore and Miner's Practical Business Arithmetic. Common Fractions. Percentage. Commission and Brokerage. Partial Payments. Custom Duties. Compound Interest. Equation of Accounts. Exchange. Stocks and Bonds. Partnership. Metric System. Supplementary Work. Speed Tests. General Review. Second year, four periods a week.

Bookkeeping

121. Twentieth Century Bookkeeping and Accounting, Part I. Rowe's Bookkeeping and Accountancy, Wholesale Set. Use of the following books: Day Book, Journal, Cash

Book, Ledger, Purchase Book, Sales Book, Bill Book, Check Book, Bank Book. Actual use of Orders, Bills, Drafts, Freight Bills, Bills of Lading, etc. First year, five periods a week.

122. Rowe's Bookkeeping and Accountancy. Manufacturing Set. Cost accounting. Corporation bookkeeping as applied to commission business. Card system of accounts. Review of 20th Century Bookkeeping. Second year, six periods a week.

123. Twentieth Century Bookkeeping and Accounting, Parts III and IV. Corporation bookkeeping. Cost accounting. Voucher system. General Review. Third year, thirteen periods a week.

124. Twentieth Century Business Practice. Entries are made from papers actually drawn and received by the student in actual business with his fellow students. If an error occurs, he locates it by careful audit of his own books and business papers. He becomes self-reliant, accurate, alert and intensely interested. Second and Third years, five periods a week.

Business Correspondence

131. Belding's Business Correspondence. The form of letter; heading, introductory address, salutation, body, complimentary close, signature. The Wording of the Letter; brevity, completeness, coherence, courtesy. Kinds of Letters; relative to order, inclosures, credits and collections, applications, introductions, circulars or forms. Telegrams. Cablegrams. Contract relations of correspondents. Drafting of leases, Bills of Sale, Partnership agreements, Powers of Attorney. First year, three periods a week.

132. Hotchkiss and Drew Business English and Correspondence. Grammar. Punctuation. Diction. Fundamental Letter. Selling Letter. Conciliatory Letter. Advertising. Second year, two periods a week.

Commercial Law

133. Rowe's Commercial Law. Introduction: Commercial Law. Contracts. Competency of Parties. Considera-

tion. Legality of Subject-Matter. Mistake, Misrepresentation and Fraud. Statute of Frauds. Interpretation of Contracts. Discharge of Contracts. Prevention of Violation of Contract. Sales of Goods. Negotiable and Non-negotiable Instruments. Checks. Partnership. Corporations. Rights and Liabilities of Stockholders. Landlords and Tenants. Insurances. Wills. Title. Mortgages. Second year, two periods a week.

Geography

141. Straubenmuller's Geography of New York City. Local Geography. Topography. New York Harbor. Streets and Avenues. Parks, Museums and Parks of our City. Schools, Churches and Libraries. City Government. Local History. New York as an English Colony. Early Newspapers. New York as an American City. Important Dates of interest in New York. First year, one period a week.

142. Local Geography Reviewed. Hammond's Atlas of New York City, Manhattan and the Bronx and the Metropolitan District. Map Drawing, showing streets, avenues, tunnels, all transportation routes. Study of subways under construction and proposed, also detailed highway and township maps of the country adjacent to New York City. Second year, one period a week.

Penmanship

151. Palmer Budget. Study of materials. Study of position, in reference to body, arms, feet, hands, pen, paper. Muscular movement drill. Letters and figures. Words and sentences. Body Writing, including business forms, paragraphs, letters, dictation. Plain marking. First year, five periods a week.

152. Palmer Budget. Body Writing; copying of business forms, bookkeeping records, letters, selections of prose and poetry, etc. Plain marking. Plain lettering, Roman and Gothic Alphabets. Cards. Announcements. Posters. General Review. Second year, two periods a week.

Spelling

The study of Spelling throughout the entire course includes governing rules, pronunciation, definition and application, together with dictation.

161. Eldridge's Business Speller. Pages 1-181. First year, five periods a week.

162. SoRelle and Kitt's Business Speller. Lessons 1-90. Second year, three periods a week.

Stenography

171. Isaac Pitman's Shorthand. Consonants and vowels; Diphthongs and Phraseography; Circles S and Z; Loops ST and STR; Circles SW and SS; Initial Hooks; Shun Hooks; Compound Double consonants; N and F Hooks; Tick and Dot H; Upward and Downward L and R; The Halving Principle; The Doubling Principle; Vocalization of Double Consonants; Dissyllabic Diphthongs; Prefixes; Suffixes and Terminations. Principles reviewed; drill on Contractions; Law Phrases; Speed practice. Third year, ten periods a week.

172. Pitman's Twentieth Century Dictation Book. Part I and Part II. Third year, seven periods a week.

Typewriting

181. Smith's touch system—The keyboard. Things a typist should know. Drill letters in form. Spacing. Paragraphing. Punctuation and capitalization. Mechanism of machine. Speed exercises. Directing envelopes. Legal work. Tabulating. Payrolls. Billing. Balance sheets. Third year, eight periods a week.

Physical Training

191. Elementary Swedish gymnastics. Marching. Elementary mat work. Swimming, breast and side strokes. Diving for form. Marching. Elementary, mat work. Gymnastic games. Athletic games. Swimming, breast and side strokes. Diving for form. First year, two periods a week.

192. Elementary Swedish gymnastics. Athletic games. Swimming, breast, side, single overhand, double overhand. Diving, form, fancy and back. Elementary apparatus work. Mat work. Elementary tumbling. Swimming, breast, side, single overhand, double overhand, and trudgeon strokes. Fancy and form diving. Plunging for distance. Second year, two periods a week.

193. Advanced Swedish gymnastics. Gymnastic games. Tumbling and mat work. Elementary apparatus work. Swimming and diving. Athletics. Advanced apparatus work is substituted for elementary apparatus work. Water polo. Third year, two periods a week.

194. Advanced Swedish gymnastics. Apparatus work. Tumbling and mat work. Gymnastic games. Athletics. Swimming, single overhand and the double overhand strokes. Diving. Water polo. Advanced apparatus work. Advanced tumbling and mat work. Gymnastic games. Athletics. Swimming, the trudgeon and the Australian crawl strokes. Diving, all forms. Water polo. Fourth year, two periods a week.

EVENING COMMERCIAL COURSES

St. John's College High School, to further the interests of the young men and women engaged in business pursuits during the day, established an evening commercial school in October, 1912. Many students, realizing the value of special training for business, have availed themselves of this opportunity.

These evening courses in commercial accounting, stenography and typewriting, while being substantially the same as those given in the day courses, are not to be regarded as equivalent at least double the time in home preparation being necessary to make them so. Diplomas will be awarded to those who complete the work satisfactorily.

Registration, week of September 6, 1921, from 9 A. M. to 9 P. M. Sessions—Monday, Wednesday and Thursday, 7:30 P. M. to 9:30 P. M. Classes begin October 3, 1921.

Bookkeeping

20th Century Bookkeeping and Accounting, Part I. Rowe's Bookkeeping and Accountancy, Wholesale Set. First year, two and one-half hours a week.

Rowe's Bookkeeping and Accountancy, Commission Set. Manufacturing Set. Second year, two and one-half hours a week.

English

Davis and Lingham's Business English and Correspondence. First year, one hour a week.

Belding's Business Correspondence. Second year, one hour a week.

Arithmetic

Walsh's Business Arithmetic from Fractions to Profit and Loss. First year, one hour a week.

Moore and Miner's Practical Business Arithmetic, completed. Second year, one hour a week.

Spelling

Eldridge's Business Speller. Lessons one to ninety. First year, one-half hour a week.

SoRelle and Kitt's Business Speller. Second year, one half hour a week.

Penmanship

Palmer Budget. Pages one to forty-seven. First year, one hour a week.

Palmer Budget, completed. Second year, one hour a week.

Shorthand

Isaac Pitman's Shorthand and Smith's Touch System. Typewriting may be substituted for Bookkeeping. First and second years, two and one-half hours a week.

REGISTER OF STUDENTS

Adams, Thomas W.	.	.	.	.	.	.	First Year
Arfert, Elmer	.	.	.	.	.	.	Second Year
Arrue, Rafael	.	.	.	.	.	.	Commercial 1
Aste, Joseph G.	.	.	.	.	.	.	First Year
Aylward, Edward T.	.	.	.	.	.	.	Commercial 1
Aylward, James J.	.	.	.	.	.	.	First Year
Barth, Stephen	.	.	.	.	.	.	Commercial 3
Barton, Buell A.	.	.	.	.	.	.	First Year
Bausch, Frank A.	.	.	.	.	.	.	Special
Benjamin, Samuel	.	.	.	.	.	.	Special
Benkovitz, Aloysius J.	.	.	.	.	.	.	First Year
Bennett, John J.	.	.	.	.	.	.	First Year
Bennett, Lewis F.	.	.	.	.	.	.	Second Year
Bennett, Peter	.	.	.	.	.	.	Commercial 1
Bennett, Ralph J.	.	.	.	.	.	.	First Year
Bennett, Thomas H.	.	.	.	.	.	.	First Year
Benzing, Raymond D.	.	.	.	.	.	.	Second Year
Bernauer, George C.	.	.	.	.	.	.	Third Year
Bick, Engelbert	.	.	.	.	.	.	First Year
Bies, Kenneth	.	.	.	.	.	.	Commercial 3
Blackford, James M.	.	.	.	.	.	.	First Year
Blakeney, John E.	.	.	.	.	.	.	Second Year
Blanco, Eloy	.	.	.	.	.	.	Commercial 1
Blanco, Enrique	.	.	.	.	.	.	Commercial 1
Blass, Edward F.	.	.	.	.	.	.	First Year
Blatz, Martin J.	.	.	.	.	.	.	First Year
Blehl, Allen G.	.	.	.	.	.	.	Commercial 3
Boeringer, Albert J.	.	.	.	.	.	.	First Year
Bogan, Charles G.	.	.	.	.	.	.	Commercial 3
Bonacci, Thomas F.	.	.	.	.	.	.	First Year
Boness, Donald J.	.	.	.	.	.	.	Second Year
Boyrer, James F.	.	.	.	.	.	.	First Year
Brady, Brayan A.	.	.	.	.	.	.	Third Year
Brady, Edward J.	.	.	.	.	.	.	Fourth year
Brady, James R.	.	.	.	.	.	.	First Year
Bray, Edward J.	.	.	.	.	.	.	Fourth Year
Breslin, John J.	.	.	.	.	.	.	Third Year
Brett, Timothy J.	.	.	.	.	.	.	Fourth Year
Brew, Francis E.	.	.	.	.	.	.	First Year
Brohel, Joseph E.	.	.	.	.	.	.	Commercial 1
Brown, John J.	.	.	.	.	.	.	First Year
Brown, Joseph J.	.	.	.	.	.	.	Second Year

Buckley, Aloysius X.	.	.	.	.	.	.	First Year
Buckley, John V.	.	.	.	.	.	.	First Year
Buehl, Frank J.	.	.	.	.	.	.	Fourth Year
Burgar, Anthony J.	.	.	.	.	.	.	First Year
Burke, Charles O.	.	.	.	.	.	.	Second Year
Burke, Joseph P.	.	.	.	.	.	.	Special
Burke, Thomas A.	.	.	.	.	.	.	Fourth Year
Burns, Arthur J.	.	.	.	.	.	.	Third Year
Burth, Henry H.	.	.	.	.	.	.	Special
Byrne, Charles A.	.	.	.	.	.	.	First Year
Byrne, Thomas J.	.	.	.	.	.	.	First Year
Byrnes, William J.	.	.	.	.	.	.	Special
Cahill, William J.	.	.	.	.	.	.	First Year
Cantwell, Louis L.	.	.	.	.	.	.	Second Year
Capdevielle, Fernando C.	.	.	.	.	.	.	First Year
Capdevielle, Fernando R.	.	.	.	.	.	.	First Year
Carmichael, John M.	.	.	.	.	.	.	First Year
Carney, William A.	.	.	.	.	.	.	Commercial 1
Carpenter, John H.	.	.	.	.	.	.	First Year
Carr, Lawrence M.	.	.	.	.	.	.	Third Year
Carrillo, Alberto	.	.	.	.	.	.	Commercial 1
Carroll, James J.	.	.	.	.	.	.	First Year
Carroll, Lawrence F.	.	.	.	.	.	.	Second Year
Carson, Gerald	.	.	.	.	.	.	Third Year
Carson, Kenneth A.	.	.	.	.	.	.	Second Year
Carter, Arthur F.	.	.	.	.	.	.	Third Year
Cartwright, Eugene F.	.	.	.	.	.	.	First Year
Casey, John J.	.	.	.	.	.	.	Third Year
Cashman, Emmett J.	.	.	.	.	.	.	First Year
Cashman, Francis J.	.	.	.	.	.	.	Second Year
Cassidy, Joseph P.	.	.	.	.	.	.	First Year
Catasus, Emilio	.	.	.	.	.	.	Commercial 3
Caton, Charles J.	.	.	.	.	.	.	Third Year
Cavanagh, Edwin F.	.	.	.	.	.	.	First Year
Cavanagh, Vincent H.	.	.	.	.	.	.	Commercial 3
Chapman, William A.	.	.	.	.	.	.	Commercial 1
Christiansen, Walter J.	.	.	.	.	.	.	First Year
Cicio, Anthony I.	.	.	.	.	.	.	Second Year
Clarke, Joseph B.	.	.	.	.	.	.	Second Year
Cleary, Francis J.	.	.	.	.	.	.	Second Year
Clinton, Arthur W.	.	.	.	.	.	.	Commercial 3
Coady, Nicholas J.	.	.	.	.	.	.	Second Year
Collins, Charles L.	.	.	.	.	.	.	Fourth Year

Collins, Ernest G.	.	.	.	.	.	.	First Year
Collins, Francis P.	.	.	.	.	.	.	Commercial 3
Collins, Herbert J.	.	.	.	.	.	.	First Year
Collins, James V.	.	.	.	.	.	.	Third Year
Collins, John T.	.	.	.	.	.	.	Commercial 1
Conerty, John W.	.	.	.	.	.	.	Commercial 1
Conerty, Vincent K.	.	.	.	.	.	.	Commercial 3
Connelly, Edward A.	.	.	.	.	.	.	Commercial 1
Connolly, James P.	.	.	.	.	.	.	First Year
Connolly, John F.	.	.	.	.	.	.	First Year
Connolly, Peter	.	.	.	.	.	.	Fourth Year
Connors, William D.	.	.	.	.	.	.	First Year
Cooper, Alfred D.	.	.	.	.	.	.	First Year
Cornell, George V.	.	.	.	.	.	.	Third Year
Costello, Edward P.	.	.	.	.	.	.	Commercial 2
Costello, Thomas J.	.	.	.	.	.	.	Second Year
Cotter, John V.	.	.	.	.	.	.	Third Year
Coughlin, Dudley E.	.	.	.	.	.	.	First Year
Cronin, Hugh J.	.	.	.	.	.	.	First Year
Crowley, Ward J.	.	.	.	.	.	.	First Year
Curtin, John F.	.	.	.	.	.	.	Third Year
Curran, Edward W.	.	.	.	.	.	.	First Year
Curran, John P.	.	.	.	.	.	.	First Year
Daly, Thomas F.	.	.	.	.	.	.	Fourth Year
Daly, William H.	.	.	.	.	.	.	First Year
Daubert, Joseph F.	.	.	.	.	.	.	Fourth Year
Day, Francis T.	.	.	.	.	.	.	Fourth Year
Deegan, Harry T.	.	.	.	.	.	.	First Year
Deegan, John V.	.	.	.	.	.	.	Second Year
Degelmann, Harry J.	.	.	.	.	.	.	First Year
Delaney, Joseph F.	.	.	.	.	.	.	Commercial 2
de la Torre, Manuel	.	.	.	.	.	.	Third Year
Delmonico, Alexander L.	.	.	.	.	.	.	Third Year
De Lorenzo, Anthony J.	.	.	.	.	.	.	First Year
Del Valle, Israel	.	.	.	.	.	.	Commercial 1
Devin, Francis A.	.	.	.	.	.	.	Third Year
Devlin, Francis J.	.	.	.	.	.	.	First Year
Di Leo, Joseph	.	.	.	.	.	.	Third Year
di Pietrantonio, Carmine	.	.	.	.	.	.	Third Year
Diskin, Gilbert J.	.	.	.	.	.	.	First Year
Dixon, James E.	.	.	.	.	.	.	Second Year
Doherty, Gerard M.	.	.	.	.	.	.	Third Year
Dombroski, Paul B.	.	.	.	.	.	.	Second Year

REGISTER OF STUDENTS

45

Donavan, Thomas J.	.	.	.	.	.	Commercial 1
Donnelly, Edward G.	.	.	.	.	.	First Year
Donohue, William J.	.	.	.	.	.	Special
Dooley, Edwin B.	.	.	.	.	.	Third Year
D'Orbessan, Fernand	.	.	.	.	.	Fourth Year
Doyle, John	.	.	.	.	.	Third Year
Duffy, Gerald J.	.	.	.	.	.	Second Year
Duggan, James J.	.	.	.	.	.	Fourth Year
Dunajski, John S.	.	.	.	.	.	Second Year
Dundon, Gerard A.	.	.	.	.	.	Third Year
Dunn, Albert F.	.	.	.	.	.	Commercial 1
Dunne, Charles J.	.	.	.	.	.	Third Year
Dunne, Charles J.	.	.	.	.	.	First Year
Duque, Felix C.	.	.	.	.	.	First Year
Dwyer, James F.	.	.	.	.	.	Third Year
Dwyer, Thomas A.	.	.	.	.	.	Fourth Year
Ebbets, Charles H.	.	.	.	.	.	Second Year
Eckhard, Willard J.	.	.	.	.	.	First Year
Ehrbar, Earl A.	.	.	.	.	.	First Year
Eich, Ferdinand L.	.	.	.	.	.	First Year
Ennis, Joseph G.	.	.	.	.	.	First Year
Evers, Peter R.	.	.	.	.	.	First Year
Faget, Mariano	.	.	.	.	.	Commercial 3
Fallon, Edward A.	.	.	.	.	.	Third Year
Falvey, Francis J.	.	.	.	.	.	First Year
Faraldo, Rocco P.	.	.	.	.	.	Third Year
Farrell, Edward B.	.	.	.	.	.	Fourth Year
Farrell, Eugene J.	.	.	.	.	.	Commercial 1
Farrell, John P.	.	.	.	.	.	Third Year
Farren, John J.	.	.	.	.	.	First Year
Fawcett, Edwin L.	.	.	.	.	.	Special
Fe, Miguel de la	.	.	.	.	.	Commercial 2
Fee, John J.	.	.	.	.	.	Third Year
Fee, Walter V.	.	.	.	.	.	Commercial 3
Feely, Edward J.	.	.	.	.	.	First Year
Ferrara, Raphael M.	.	.	.	.	.	First Year
Finn, William J.	.	.	.	.	.	Second Year
Fitzgerald, Edmund J.	.	.	.	.	.	First Year
Fitzgerald, Paul J.	.	.	.	.	.	Fourth Year
Fitzpatrick, Daniel E.	.	.	.	.	.	Fourth Year
Fitzpatrick, Matthew P.	.	.	.	.	.	First Year
Fleischhauer, Charles	.	.	.	.	.	Commercial 1

Flynn, Francis J.	.	.	.	.	.	.	First Year
Flynn, William J.	.	.	.	.	.	.	Second Year
Fogarty, Andrew J.	.	.	.	.	.	.	First Year
Foley, Warren J.	.	.	.	.	.	.	First Year
Folliard, James A.	.	.	.	.	.	.	Second Year
Fox, Holland F.	.	.	.	.	.	.	Second Year
Fox, John L.	.	.	.	.	.	.	Fourth Year
Frankowski, Ignatz P.	.	.	.	.	.	.	Commercial 3
Gaffney, Thomas	.	.	.	.	.	.	Commercial 1
Gahn, George V.	.	.	.	.	.	.	Second Year
Galcern, Francisco	.	.	.	.	.	.	Commercial 1
Gallagher, John P.	.	.	.	.	.	.	First Year
Garah, Hugh J.	.	.	.	.	.	.	Commercial 3
Garcia, Jose J.	.	.	.	.	.	.	Commercial 1
Gavin, Harold G.	.	.	.	.	.	.	Second Year
Gehring, Frederick P.	.	.	.	.	.	.	Fourth Year
Genevroz, William E.	.	.	.	.	.	.	First Year
Genco, Victor	.	.	.	.	.	.	Second Year
Geng, William J.	.	.	.	.	.	.	Third Year
George, Paul F.	.	.	.	.	.	.	Commercial 3
Germain, Ralph R.	.	.	.	.	.	.	Second Year
Giambalvo, Joseph M.	.	.	.	.	.	.	First Year
Gimlett, William F.	.	.	.	.	.	.	Second Year
Giovinco, Anthony A.	.	.	.	.	.	.	Third Year
Girtler, John M.	.	.	.	.	.	.	Second Year
Gleeson, Joseph M.	.	.	.	.	.	.	First Year
Gleeson, Mortimer	.	.	.	.	.	.	Second Year
Glover, William A.	.	.	.	.	.	.	Commercial 1
Gmelch, John G.	.	.	.	.	.	.	First Year
Gomez, Mario	.	.	.	.	.	.	Commercial 1
Gorey, Joseph V.	.	.	.	.	.	.	Second Year
Gorman, Vincent D.	.	.	.	.	.	.	First Year
Gough, Lloyd F.	.	.	.	.	.	.	First Year
Grady, Joseph A.	.	.	.	.	.	.	Second Year
Grady, Lester C.	.	.	.	.	.	.	Second Year
Gravenhorst, William B.	.	.	.	.	.	.	First Year
Grealish, Thomas J.	.	.	.	.	.	.	First Year
Greene, Joseph J.	.	.	.	.	.	.	Second Year
Griffin, James P.	.	.	.	.	.	.	First Year
Griffith, Francis J.	.	.	.	.	.	.	Second Year
Grill, Herbert A.	.	.	.	.	.	.	Special
Grindel, Carl W.	.	.	.	.	.	.	Fourth Year
Grisoli, Francis J.	.	.	.	.	.	.	First Year

REGISTER OF STUDENTS

47

Grogan, John A.	.	.	.	.	.	.	First Year
Grozinger, John J.	.	.	.	.	.	.	First Year
Gunderman, Joseph A.	.	.	.	.	.	.	Third Year
Hackett, Clement E.	.	.	.	.	.	.	Second Year
Hanley, George A.	.	.	.	.	.	.	Second Year
Hart, Edward C.	.	.	.	.	.	.	Second Year
Hartley, James C.	.	.	.	.	.	.	Second Year
Hartmann, Joseph J.	.	.	.	.	.	.	First Year
Hauck, Joseph C.	.	.	.	.	.	.	First Year
Haug, Reade J.	.	.	.	.	.	.	First Year
Hayes, Howard	.	.	.	.	.	.	Fourth Year
Hayes, John J.	.	.	.	.	.	.	Commercial 1
Healy, Robert E.	.	.	.	.	.	.	First Year
Heaney, Thomas J.	.	.	.	.	.	.	Second Year
Heaphy, William G.	.	.	.	.	.	.	Second Year
Heffern, James W.	.	.	.	.	.	.	First Year
Hennessey, John F.	.	.	.	.	.	.	Second Year
Hernandez, George	.	.	.	.	.	.	Commercial 1
Herzog, John F.	.	.	.	.	.	.	Commercial 3
Hess, Edwin P.	.	.	.	.	.	.	Fourth Year
Hess, Herbert V.	.	.	.	.	.	.	Third Year
Hesse, George F.	.	.	.	.	.	.	First Year
Hickman, Edmund F.	.	.	.	.	.	.	First Year
Hill, John R.	.	.	.	.	.	.	Third Year
Hoeffner, Clarence J.	.	.	.	.	.	.	Commercial 3
Horn, Walter F.	.	.	.	.	.	.	Second Year
Horsting, Conrad C.	.	.	.	.	.	.	Second Year
Hostage, Francis A.	.	.	.	.	.	.	Commercial 2
Howard, Joseph A.	.	.	.	.	.	.	Second Year
Howe, Edwin T.	.	.	.	.	.	.	Commercial 1
Hughes, Francis J.	.	.	.	.	.	.	First Year
Hughes, James F.	.	.	.	.	.	.	Third Year
Hunt, Harold J.	.	.	.	.	.	.	Fourth Year
Hunter, Edward	.	.	.	.	.	.	Second Year
Irving, Thomas J.	.	.	.	.	.	.	First Year
Jennings, Frank T.	.	.	.	.	.	.	First Year
Jones, Richard W.	.	.	.	.	.	.	Third Year
Joyce, Joseph E.	.	.	.	.	.	.	Third Year
Kavanagh, William R.	.	.	.	.	.	.	Fourth Year
Keenan, William J.	.	.	.	.	.	.	First Year
Keffer, John C.	.	.	.	.	.	.	Second Year

Kelly, Joseph E.	.	.	.	.	.	.	Second Year
Kelly, Edward F.	.	.	.	.	.	.	Third Year
Kelly, Francis Q.	.	.	.	.	.	.	Second Year
Kelly, John F.	.	.	.	.	.	.	First Year
Kelly, Robert J.	.	.	.	.	.	.	First Year
Kennedy, Edward L.	.	.	.	.	.	.	Third Year
Kennedy, Jack E.	.	.	.	.	.	.	First Year
Kennedy, John J.	.	.	.	.	.	.	First Year
Kennedy, Joseph A.	.	.	.	.	.	.	First Year
Kenney, James F.	.	.	.	.	.	.	Commercial 1
Kenny, John R.	.	.	.	.	.	.	Third Year
Kerwin, James J.	.	.	.	.	.	.	First Year
Keyes, George N.	.	.	.	.	.	.	First Year
Kiely, James J.	.	.	.	.	.	.	Third Year
King, Howard F.	.	.	.	.	.	.	First Year
Klaess, Raymond F.	.	.	.	.	.	.	Third Year
Koerber, August M.	.	.	.	.	.	.	First Year
Korzeniewski, Vincent	.	.	.	.	.	.	Second Year
Kremelberg, George H.	.	.	.	.	.	.	Third Year
Kruger, John A.	.	.	.	.	.	.	Second Year
Kubat, Emanuel J.	.	.	.	.	.	.	Fourth Year
Kubat, Wenceslaus	.	.	.	.	.	.	Second Year
Kuhn, Henry J.	.	.	.	.	.	.	Second Year
Kunkel, Gregory P.	.	.	.	.	.	.	First Year
Lahey, William J.	.	.	.	.	.	.	Second Year
Lally, Theo. C.	.	.	.	.	.	.	First Year
Lamond, Bennett J.	.	.	.	.	.	.	First Year
Lang, James A.	.	.	.	.	.	.	First Year
Leavell, Stanley P.	.	.	.	.	.	.	Commercial 1
Lee, Robert E.	.	.	.	.	.	.	Commercial 3
Leonard, Eugene B.	.	.	.	.	.	.	First Year
Linane, Frank S.	.	.	.	.	.	.	Fourth Year
Linane, Raymond E.	.	.	.	.	.	.	First Year
Liotta, James	.	.	.	.	.	.	First Year
Loftus, Arthur J.	.	.	.	.	.	.	Third Year
Long, Joseph J.	.	.	.	.	.	.	Second Year
Longua, Hubert L.	.	.	.	.	.	.	First Year
Longua, John E.	.	.	.	.	.	.	Third Year
Longua, Paul J.	.	.	.	.	.	.	Third Year
Loonam, Walter L.	.	.	.	.	.	.	Special
Lopatka, Anthony J.	.	.	.	.	.	.	Second Year
Lumb, Charles J.	.	.	.	.	.	.	Third Year
Luppino, Elmer A.	.	.	.	.	.	.	Second Year

McAuley, Harold F.	.	.	.	.	.	.	Third Year
McCabe, Joseph F.	.	.	.	.	.	.	First Year
McCarroll, Walter J.	.	.	.	.	.	.	First Year
McCarthy, James E.	.	.	.	.	.	.	First Year
McCarthy, John J.	.	.	.	.	.	.	First Year
McCarthy, Stephen	.	.	.	.	.	.	First Year
McCormack, Martin E.	.	.	.	.	.	.	Fourth Year
McCormick, Edward J.	.	.	.	.	.	.	Commercial 1
McCosker, Edwin J.	.	.	.	.	.	.	Commercial 1
McCullough, William J.	.	.	.	.	.	.	Commercial 1
McDermott, Andrew J.	.	.	.	.	.	.	Fourth Year
McDermott, Charles J.	.	.	.	.	.	.	Third Year
McDermott, Edward F.	.	.	.	.	.	.	First Year
McDermott, William	.	.	.	.	.	.	Commercial 1
McDonald, Edward J.	.	.	.	.	.	.	Second Year
McDonald, Miles F.	.	.	.	.	.	.	Third Year
McDonell, James R.	.	.	.	.	.	.	First Year
McElroy, Raymond F.	.	.	.	.	.	.	First Year
McGinnis, William F.	.	.	.	.	.	.	Fourth Year
McGovern, Francis J.	.	.	.	.	.	.	Second Year
McGowan, Edward J.	.	.	.	.	.	.	First Year
McGowan, John P.	.	.	.	.	.	.	Second Year
McGuire, Charles J.	.	.	.	.	.	.	Commercial 1
McGuire, Frederick A.	.	.	.	.	.	.	Fourth Year
McGuirk, Francis X.	.	.	.	.	.	.	Third Year
McKeen, John E.	.	.	.	.	.	.	Fourth Year
McKenna, Eugene J.	.	.	.	.	.	.	First Year
McKenna, Herbert F.	.	.	.	.	.	.	Second Year
McKenna, John P.	.	.	.	.	.	.	First Year
McKenzie, Alex J.	.	.	.	.	.	.	Second Year
McKeown, Lawrence W.	.	.	.	.	.	.	Third Year
McLaughlin, Walter T.	.	.	.	.	.	.	First Year
McLoughlin, Rupert E.	.	.	.	.	.	.	First Year
McMahon, George J.	.	.	.	.	.	.	First Year
McManus, John F.	.	.	.	.	.	.	First Year
McMurray, Philip E.	.	.	.	.	.	.	Third Year
McMurrer, William G.	.	.	.	.	.	.	First Year
McNulty, Joseph F.	.	.	.	.	.	.	First Year
McPartland, Miles F.	.	.	.	.	.	.	Third Year
McTernan, Thomas J.	.	.	.	.	.	.	Commercial 3
MacEvitt, James V.	.	.	.	.	.	.	Fourth Year
Maggiore, Vincent G.	.	.	.	.	.	.	Fourth Year
Magnor, James B.	.	.	.	.	.	.	First Year

Maguire, Clarence B.	.	.	.	.	.	.	Second Year
Maher, James J.	.	.	.	.	.	.	Third Year
Maher, James V.	.	.	.	.	.	.	First Year
Maher, John D.	.	.	.	.	.	.	First Year
Mahoney, Mortimer M.	.	.	.	.	.	.	Fourth Year
Maibach, Francis J.	.	.	.	.	.	.	First Year
Makray, Eugene J.	.	.	.	.	.	.	First Year
Malanowski, Leon V.	.	.	.	.	.	.	Second Year
Malone, Thomas E.	.	.	.	.	.	.	Second Year
Malone, Vincent J.	.	.	.	.	.	.	Fourth Year
Mallon, John J.	.	.	.	.	.	.	First Year
Marchese, Anthony N.	.	.	.	.	.	.	Commercial 1
Marlow, Francis E.	.	.	.	.	.	.	First Year
Maroney, Matthew F.	.	.	.	.	.	.	Third Year
Martin, George J.	.	.	.	.	.	.	Second Year
Matthews, James L.	.	.	.	.	.	.	Third Year
Matthews, John A.	.	.	.	.	.	.	Third Year
Maun, John S.	.	.	.	.	.	.	Second Year
Mayr, Frederick W.	.	.	.	.	.	.	First Year
Meaney, Jack R.	.	.	.	.	.	.	First Year
Meaney, Thomas W.	.	.	.	.	.	.	Third Year
Meditz, John W.	.	.	.	.	.	.	Second Year
Melahn, Frederick B.	.	.	.	.	.	.	Second Year
Mendiola, Alfredo	.	.	.	.	.	.	Commercial 1
Metz, Charles A.	.	.	.	.	.	.	Third Year
Meyer, Henry W.	.	.	.	.	.	.	First Year
Michaelis, Vincent J.	.	.	.	.	.	.	Third Year
Micucci, Vincent	.	.	.	.	.	.	Second Year
Miller, William F.	.	.	.	.	.	.	First Year
Moehringer, Charles F.	.	.	.	.	.	.	Fourth Year
Moehringer, George E.	.	.	.	.	.	.	Second Year
Montero, Ricardo	.	.	.	.	.	.	Commercial 1
Mooney, Peter A.	.	.	.	.	.	.	First Year
Moran, John F.	.	.	.	.	.	.	First Year
Moran, John M.	.	.	.	.	.	.	Second Year
Morrissey, Thomas J.	.	.	.	.	.	.	Third Year
Morvillo, Ernest J.	.	.	.	.	.	.	Third Year
Moynihan, Kevin A.	.	.	.	.	.	.	Second Year
Mucha, Ladislaus E.	.	.	.	.	.	.	Second Year
Mueller, James J.	.	.	.	.	.	.	First Year
Mullady, Ambrose J.	.	.	.	.	.	.	Third Year
Mullen, Henry A.	.	.	.	.	.	.	First Year
Murphy, James J.	.	.	.	.	.	.	Second Year
Murtaugh, Edward V.	.	.	.	.	.	.	Fourth Year

REGISTER OF STUDENTS

51

Myles, Joseph F.	.	.	.	.	.	.	First Year
Mylod, Charles J.	.	.	.	.	.	.	Fourth Year
Nagel, Charles H.	.	.	.	.	.	.	Second Year
Nagle, Robert E.	.	.	.	.	.	.	Commercial 1
Nally, Thomas J.	.	.	.	.	.	.	Commercial 1
Neville, John J.	.	.	.	.	.	.	Commercial 1
Nevins, Harold J.	.	.	.	.	.	.	Commercial 3
Newman, Thomas F.	.	.	.	.	.	.	Fourth Year
O'Brien, Vincent P.	.	.	.	.	.	.	Fourth Year
O'Connor, Thomas F.	.	.	.	.	.	.	First Year
O'Connor, William T.	.	.	.	.	.	.	Commercial 1
O'Donnell, John W.	.	.	.	.	.	.	Second Year
O'Donohue, T. Edward	.	.	.	.	.	.	Third Year
Oeser, Frederick A.	.	.	.	.	.	.	Third Year
Oetheimer, Edgar A.	.	.	.	.	.	.	Third Year
O'Gara, Martin J.	.	.	.	.	.	.	Second Year
O'Handley, Joseph A.	.	.	.	.	.	.	Third Year
Ohland, Joseph F.	.	.	.	.	.	.	Commercial 1
Ohle, Charles J.	.	.	.	.	.	.	Second Year
O'Keefe, Maurice J.	.	.	.	.	.	.	Second Year
O'Keefe, Vincent J.	.	.	.	.	.	.	Commercial 1
O'Leary, James L.	.	.	.	.	.	.	First Year
O'Malley, John J.	.	.	.	.	.	.	First Year
O'Malley, Ralph P.	.	.	.	.	.	.	First Year
O'Meara, Anthony V.	.	.	.	.	.	.	Second Year
O'Meara, Selwyn B.	.	.	.	.	.	.	Second Year
O'Meara, William J.	.	.	.	.	.	.	Third Year
O'Neill, Charles E.	.	.	.	.	.	.	Special
Oppido, John W.	.	.	.	.	.	.	First Year
O'Shea, Bernard J.	.	.	.	.	.	.	First Year
O'Shea, James J.	.	.	.	.	.	.	Third Year
Osle, Jose M.	.	.	.	.	.	.	Commercial 2
O'Toole, Charles A.	.	.	.	.	.	.	First Year
O'Toole, Edwin J.	.	.	.	.	.	.	Commercial 2
Owens, Edward J.	.	.	.	.	.	.	First Year
Palacio, Mario	.	.	.	.	.	.	Commercial 2
Parrott, Harold F.	.	.	.	.	.	.	First Year
Pego, Humberto	.	.	.	.	.	.	Commercial 2
Penketh, Aloysius	.	.	.	.	.	.	Commercial 1
Perera, Miguel	.	.	.	.	.	.	Commercial 2
Pitrelli, Ferdinand R.	.	.	.	.	.	.	Special
Planding, Andrew J.	.	.	.	.	.	.	Fourth Year

Pollock, Sheldon	.	.	.	.	.	.	Fourth Year
Powers, James S.	.	.	.	.	.	.	First Year
Pubchara, Frank	.	.	.	.	.	.	Commercial 1
Pulido, Jose M.	.	.	.	.	.	.	Commercial 1
Purnhagen, George	.	.	.	.	.	.	First Year
Rafferty, Edward C.	.	.	.	.	.	.	Commercial 2
Raia, Michael A.	.	.	.	.	.	.	Special
Regalado, Antonio	.	.	.	.	.	.	Commercial 1
Regalado, Jose	.	.	.	.	.	.	Commercial 1
Regan, Gilbert F.	.	.	.	.	.	.	Third Year
Reicherter, Raymond E.	.	.	.	.	.	.	First Year
Reid, Martin H.	.	.	.	.	.	.	Commercial 1
Reid, William J.	.	.	.	.	.	.	Third Year
Reiher, Carl E.	.	.	.	.	.	.	Special
Reilly, Francis P.	.	.	.	.	.	.	First Year
Reilly, John W.	.	.	.	.	.	.	First Year
Reilly, Vincent J.	.	.	.	.	.	.	Second Year
Reilly, William	.	.	.	.	.	.	First Year
Rendich, Vincent H.	.	.	.	.	.	.	Third Year
Richard, Matthew V.	.	.	.	.	.	.	Fourth Year
Rickert, Harry L.	.	.	.	.	.	.	Third Year
Rickert, William L.	.	.	.	.	.	.	Third Year
Rigney, Harold J.	.	.	.	.	.	.	First Year
Riordan, Walter	.	.	.	.	.	.	Commercial 1
Robbins, James B.	.	.	.	.	.	.	First Year
Rohan, John J.	.	.	.	.	.	.	First Year
Rojas, Raul	.	.	.	.	.	.	Commercial 1
Rojas, Rodolfo	.	.	.	.	.	.	Commercial 1
Ronnenberg, Frank J.	.	.	.	.	.	.	Fourth Year
Rooney, Launcelot J.	.	.	.	.	.	.	First Year
Rosemond, Thomas J.	.	.	.	.	.	.	Third Year
Rotolo, Vincent M.	.	.	.	.	.	.	First Year
Rowan, Walter A.	.	.	.	.	.	.	Second Year
Russo, Gaetano	.	.	.	.	.	.	First Year
Ryan, James A.	.	.	.	.	.	.	First Year
Ryan, Joseph A.	.	.	.	.	.	.	Third Year
Ryan, Thomas F.	.	.	.	.	.	.	Second Year
Ryan, Thomas F.	.	.	.	.	.	.	First Year
Salvo, Anthony	.	.	.	.	.	.	First Year
Sanchez, Manuel	.	.	.	.	.	.	Commercial 1
Sanchez, Anthony J.	.	.	.	.	.	.	Commercial 1
Sarnowski, Sigmond	.	.	.	.	.	.	Fourth Year

REGISTER OF STUDENTS

53

Scaturro, Angelo	Second Year
Schaefer, William P.	Fourth Year
Schandl, Anthony J.	Commercial 1
Schaughness, James J.	Third Year
Scheuermann, John L.	Second Year
Schindelar, Herman L.	Second Year
Schnappauf, Peter M.	Third Year
Scholl, Philip J.	First Year
Schrader, Clement J.	Second Year
Schrauth, William L.	First Year
Schug, Valentine C.	Special
Scott, Richard V.	First Year
Scully, William L.	First Year
Sellers, Alfred J.	Fourth Year
Senger, Albert G.	Commercial 3
Sexton, John J.	First Year
Shea, John D.	Third Year
Shea, Joseph F.	Second Year
Shea, William J.	Third Year
Sheedy, Francis	Second Year
Sheehy, Martin J.	Third Year
Shiebler, Austin E.	Second Year
Silva, Luis	Commercial 2
Skeehan, Leonard A.	First Year
Slavin, James L.	Second Year
Smiddy, Thomas W.	Fourth Year
Smith, Francis E.	Third Year
Smith, John F.	Second Year
Soden, Emmett	Third Year
Spraul, William	Commercial 1
Staehler, Paul A.	Second Year
Stafford, John J.	Commercial 2
Stanley, James B.	Fourth Year
Steinmetz, George J.	Third Year
Stewart, William H.	First Year
Stuart, Mark J.	First Year
Suarez, Francisco	Commercial 1
Sullivan, John L.	Second Year
Sullivan, William H.	First Year
Tagliara, Anthony	Fourth Year
Teaken, Frank T.	Third Year
Teevan, Leo J.	Commercial 1
Thomas, Robert J.	First Year

Tighe, William J.	.	.	.	.	.	.	Commercial 1
Tirrell, Harry A.	.	.	.	.	.	.	Third Year
Tobin, Austin J.	.	.	.	.	.	.	Fourth Year
Tobin, Clarence J.	.	.	.	.	.	.	First Year
Torres, Alfredo	.	.	.	.	.	.	Commercial 1
Trotter, Eugene A.	.	.	.	.	.	.	First Year
Troy, William A.	.	.	.	.	.	.	Third Year
Ungaro, Nicholas J.	.	.	.	.	.	.	Special
Urbina, Jose A.	.	.	.	.	.	.	Commercial 2
Urewich, Alphonsus	.	.	.	.	.	.	First Year
Vaupotic, Frederick A.	.	.	.	.	.	.	Third Year
Velardi, Ignatius A.	.	.	.	.	.	.	Third Year
Vierengel, Edgar F.	.	.	.	.	.	.	Commercial 3
Villan, Joaquin	.	.	.	.	.	.	Special
Wagner, John A.	.	.	.	.	.	.	First Year
Wall, Robert G.	.	.	.	.	.	.	Third Year
Wallace, Edward B.	.	.	.	.	.	.	Fourth Year
Walsh, Edward P..	.	.	.	.	.	.	First Year
Walsh, Thomas J.	.	.	.	.	.	.	Commercial 1
Walsh, William J.	.	.	.	.	.	.	First Year
Walton, Edgar H.	.	.	.	.	.	.	Commercial 1
Ward, James V.	.	.	.	.	.	.	First Year
Waugh, Robert A.	.	.	.	.	.	.	Third Year
Weber, William	.	.	.	.	.	.	First Year
Weisiger, Herbert	.	.	.	.	.	.	Special
Weiss, Matthew E.	.	.	.	.	.	.	First Year
Wendolowski, Charles M.	.	.	.	.	.	.	Second Year
Werdann, George D.	.	.	.	.	.	.	First Year
Whalen, John T.	.	.	.	.	.	.	Commercial 3
Whalen, Lawrence E.	.	.	.	.	.	.	Second Year
White, Chanler E.	.	.	.	.	.	.	First Year
White, John T.	.	.	.	.	.	.	Third Year
Whitelaw, Alphonsus J.	.	.	.	.	.	.	Commercial 1
Whitelaw, John T.	.	.	.	.	.	.	Commercial 3
Wiegand, John P.	.	.	.	.	.	.	First Year
Winum, Lawrence C.	.	.	.	.	.	.	First Year
Wischebrink, Herman F.	.	.	.	.	.	.	Commercial 1
Wohlfart, Aloysius J.	.	.	.	.	.	.	First Year
Wollweber, Henry A.	.	.	.	.	.	.	First Year
York, John C.	.	.	.	.	.	.	First Year
Zarnitz, George H.	.	.	.	.	.	.	Second Year
Zick, William F.	.	.	.	.	.	.	First Year

UNIVERSITY OF ILLINOIS-URBANA



3 0112 110851463